EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	486	reverse NEAR4 acoustic$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/22 17:27
L2	20	(reverse NEAR4 acoustic$5) SAME (simulat$6 or model$4 or analysis or analyses or assess$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/22 17:27

Web Results **1** - **10** of about **987,000** for **reverse acoustic analysis**. (**0.22** seconds)

SwRI: Reservoir Geophysics Research Program Capabilities, seismic ...
Evaluation of Crosswell Seismic Tomography and **Reverse** VSP at the Savannah River Site, ... seismic **analysis**. **acoustic analysis**. electromagnetic **analysis** ...
www.swri.org/4org/d15/elecsys/resgeo/wsrc.htm - 11k - Cached - Similar pages

SwRI: Reservoir Geophysics Research Program Capabilities, seismic ...
J.O. Parra, C.L Hackert, and P.-C Xu, "Attenuation **analysis** of **acoustic** waveforms in ... Evaluation of Crosswell Seismic Tomography and **Reverse** VSP at the ...
www.swri.org/4org/d15/elecsys/resgeo/pres.htm - 16k - Cached - Similar pages
[More results from www.swri.org]

Welcome to the Transcendata Europe Website
AAL has been receiving more and more requests for **reverse** engineering services, typically from ... "**Acoustic analysis** is a classic case in point," he adds. ...
www.fegs.co.uk/aal2.html - 15k - Cached - Similar pages

[PDF] **Acoustic** Comparison of Vowel Articulation in Normal and **Reverse** ...
File Format: PDF/Adobe Acrobat
tion (expiratory versus **reverse**) on the **acoustic** features. of vowel production. ... **Acoustic analysis** of vowel emission in obstructive sleep ...
jslhr.asha.org/cgi/reprint/44/1/118.pdf - Similar pages

[PDF] Quantitative and Graphic **Acoustic Analysis** of Phonatory ...
File Format: PDF/Adobe Acrobat
widely used **acoustic analysis** tool for voice quality de-. scriptions (Kent, Vorperian, & Duffy ... this pattern in **reverse**. Prior to FFT **analysis**, data from ...
jslhr.asha.org/cgi/reprint/46/2/475.pdf - Similar pages

Matrizant approach to **acoustic analysis** of perforated multiple ...
Matrizant approach to **acoustic analysis** of perforated multiple pipe mufflers ... of the method is demonstrated on a plug muffler and a **reverse** flow muffler. ...
cat.inist.fr/?aModele=afficheN&cpsidt=3057296 - Similar pages

Is **acoustic analysis** of snoring an alternative to sleep ...
Previous studies have suggested that **acoustic analysis** may be useful in ... It should also be noted that in one of the 12, the **reverse** was true. ...
www.blackwell-synergy.com/links/doi/10.1111%2Fj.1365-2273.2004.00800.x - Similar pages

Acoustic analysis of induced vocal stress by means of cognitive ...
Acoustic analysis was used to measure stress and workload in four experimental tasks ... and the fourth was spelling the Spanish alphabet in **reverse** order. ...
www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=9763177&dopt=Abstract - Similar pages

[PDF] **Analysis**, Phasing, and Matching of 3-Phase, Unidirectional ...
File Format: PDF/Adobe Acrobat
25-track **analysis** were found t o. be about 2 CPU-minuter per frequency step. ... **reverse acoustic** power and i s. selected as the measure of sensitivity ...
ieeexplore.ieee.org/iel5/10283/32716/01534951.pdf?arnumber=1534951 - Similar pages

JSTOR: An **Acoustic Analysis** of Shawnee: I
AN **ACOUSTIC ANALYSIS** OF SHAWNEE as low a second formant as the (p), though it is low ... or velar segments, the path is approximately the **reverse** of this. ...
links.jstor.org/sici?sici=0020-7071(195801)24%3A1%3C20%3AAAAOSI%3E2.0.CO%3B2-0
- Similar pages

Result Page: 1 2 3 4 5 6 7 8 9 10 **Next**

Diaz, Susanna M.

From: Finley, Robert (ASRC)
Sent: Thursday, March 22, 2007 11:40 AM
To: Diaz, Susanna M.
Subject: Results of search on 09/709323

Ms. Diaz:

Attached are the results of your search request regarding:
SOUND CONTROL METHOD

Please let me know if need you anything further.

Bob Finley

Robert Finley (ASRC)
EIC 3600
Knox 4B68
571.272.8952


Search on 09323-full.doc

Search on 09323-tagge

Search on 09/709323

To navigate this document: use FIND function {Ctrl-F}
~~ will find the beginning of each group of results
^ will find the tagged items

~~ Patent Literature: Inventor search

File 347:JAPIO Dec 1976-2006/Nov(Updated 070228)
(c) 2007 JPO & JAPIO
File 348:EUROPEAN PATENTS 1978-2007/ 200708
(c) 2007 European Patent Office
File 349:PCT FULLTEXT 1979-2007/UB=20070315UT=20070308
(c) 2007 WIPO/Thomson
File 350:Derwent WPIX 1963-2006/UD=200719
(c) 2007 The Thomson Corporation

Set	Items	Description
S1	108	AU=FAY R?
S2	5	AU=GELIN L?
S3	8	AU=BABINEAU F?
S4	14	AU=TINIANOV B?
S5	124	S1 OR S2 OR S3 OR S4
S6	1	S5 AND IC=(G06F OR G06Q)

~~ Non-Patent Literature: Inventor search [part A]

File 2:INSPEC 1898-2007/Mar W2
(c) 2007 Institution of Electrical Engineers
File 6:NTIS 1964-2007/Mar W3
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File 7:Social SciSearch(R) 1972-2007/Mar W2
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File 8:Ei Compendex(R) 1884-2007/Mar W1
(c) 2007 Elsevier Eng. Info. Inc.
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File 20:Dialog Global Reporter 1997-2007/Mar 21
(c) 2007 Dialog
File 25:Weldasearch 1966-2007/Jan
(c) 2007 TWI Ltd
File 33:Aluminium Industry Abstracts 1966-2007/Mar
(c) 2007 CSA.
File 34:SciSearch(R) Cited Ref Sci 1990-2007/Mar W2
(c) 2007 The Thomson Corp
File 35:Dissertation Abs Online 1861-2007/Feb
(c) 2007 ProQuest Info&Learning
File 57:Electronics & Communications Abstracts 1966-2007/Mar
(c) 2007 CSA.
File 60:ANTE: Abstracts in New Tech & Engineer 1966-2007/Mar
(c) 2007 CSA.
File 61:Civil Engineering Abstracts. 1966-2007/Mar
(c) 2007 CSA.
File 63:Transport Res(TRIS) 1970-2007/Feb
(c) fmt only 2007 Dialog
File 65:Inside Conferences 1993-2007/Mar 21
(c) 2007 BLDSC all rts. reserv.
File 81:MIRA - Motor Industry Research 2001-2007/Dec
(c) 2007 MIRA Ltd.

File 92:IHS Intl.Stds.& Specs. 1999/Nov
(c) 1999 Information Handling Services
File 94:JICST-EPlus 1985-2007/Mar W4
(c)2007 Japan Science and Tech Corp(JST)
File 95:TEME-Technology & Management 1989-2007/Mar W3
(c) 2007 FIZ TECHNIK
File 96:FLUIDEX 1972-2006/Aug
(c) 2006 Elsevier B.V.
File 99:Wilson Appl. Sci & Tech Abs 1983-2007/Feb
(c) 2007 The HW Wilson Co.
File 104:AeroBase 1999-2007/Mar
(c) 2007 Contains copyrighted material
File 134:Earthquake Engineering Abstracts 1966-2007/Mar
(c) 2007 CSA.

Set	Items	Description
S1	544	AU=(FAY, R? OR FAY R? OR FAY(2N)R?) OR BY=FAY(2N)R?
S2	11	AU=(GELIN, L? OR GELIN L? OR GELIN(2N)L?) OR BY=GELIN(2N)L?
S3	4	AU=(BABINEAU, F? OR BABINEAU F? OR BABINEAU(2N)F?) OR BY=BABINEAU(2N)F?
S4	21	AU=(TINIANOV, B? OR TINIANOV B? OR TINIANOV(2N)B?) OR BY=TINIANOV(2N)B?
S5	576	S1 OR S2 OR S3 OR S4
S6	228	S5 AND (NOISE OR SOUND OR SOUNDS OR ACOUSTIC OR ACOUSTICS OR ACOUSTICALLY OR AUDIO OR AUDITORY OR AURAL OR AURALI?ATION OR HARMONIC OR HARMONICS)
S7	29	S6 AND (ROOM OR ROOMS OR BUILDING OR BUILDINGS OR ARCHITECTUR?? OR CONSTRUCTION OR HOUSE? ? OR HOUSING OR STRUCTUR??)
S8	12	S7 NOT PY>2000
S9	9	RD (unique items)

^ 9/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2007 Institution of Electrical Engineers. All rts. reserv.

07784751 INSPEC Abstract Number: A2001-02-4385D-007
Title: Recent measurements of total energy density using a unique transducer array
Author(s): Tinianov, B.
Author Affiliation: Johns Manville Tech. Center, Littleton, CO, USA
Journal: Canadian Acoustics Conference Title: Can. Acoust. (Canada) vol.28, no.3 p.18-19
Publisher: Canadian Acoust. Assoc,
Publication Date: Sept. 2000 Country of Publication: Canada
CODEN: CAACDX ISSN: 0711-6659
SICI: 0711-6659(200009)28:3L.18:RMTE;1-K
Material Identity Number: B883-2000-004
Conference Title: Acoustic Week in Canada (papers in summary form only received)
Conference Date: Oct. 2000 Conference Location: Sherbrook, Que., Canada
Language: English
Subfile: A

Author(s): Tinianov, B.
Abstract: Contemporary laboratory test methods determine the sound power of a noise source by sampling the sound pressure in a reverberant field. While these tests allow for a convenient assessment, they falsely assume that either the sound field is ideally diffuse, or that the sampled data adequately represent the average sound pressure in the room . The research of Budhiantho (1997), developed theoretical probability density functions for the potential, kinetic, and total energy densities were modeled in a reverberant sound field. These models suggest that the variance of the total energy density is one half that of the potential energy density approximated by the sound pressure in current test methods and such measurements could yield more accurate results. Experiments were...
Descriptors: acoustic field...

... acoustic intensity measurement...

... acoustic transducer arrays
...Identifiers: sound power...

... noise source...

... sound pressure

~~ Non-Patent Literature: Inventor search [part B]

File 148:Gale Group Trade & Industry DB 1976-2007/Mar 12
(c)2007 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group
File 169:Insurance Periodicals 1984-1999/Nov 15
(c) 1999 NILS Publishing Co.
File 256:TecInfoSource 82-2007/Oct
(c) 2007 Info.Sources Inc
File 275:Gale Group Computer DB(TM) 1983-2007/Mar 20
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File 293:Engineered Materials Abstracts 1966-2007/Mar
(c) 2007 CSA.
File 335:Ceramic Abstracts/World Ceramics Abstracts 1966-2007/Mar
(c) 2007 CSA.
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
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File 474:New York Times Abs 1969-2007/Mar 21
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File 475:Wall Street Journal Abs 1973-2007/Mar 21
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File 476:Financial Times Fulltext 1982-2007/Mar 21
(c) 2007 Financial Times Ltd
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
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File 610:Business Wire 1999-2007/Mar 21
(c) 2007 Business Wire.
File 613:PR Newswire 1999-2007/Mar 21
(c) 2007 PR Newswire Association Inc
File 624:McGraw-Hill Publications 1985-2007/Mar 21
(c) 2007 McGraw-Hill Co. Inc
File 634:San Jose Mercury Jun 1985-2007/Mar 16
(c) 2007 San Jose Mercury News
File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc
File 621:Gale Group New Prod.Annou.(R) 1985-2007/Mar 09
(c) 2007 The Gale Group
File 625:American Banker Publications 1981-2007/Mar 20
(c) 2007 American Banker
File 636:Gale Group Newsletter DB(TM) 1987-2007/Mar 20
(c) 2007 The Gale Group
File 637:Journal of Commerce 1986-2007/Mar 26
(c) 2007 Commonwealth Bus. Media

Set	Items	Description
S1	162	AU=(FAY, R? OR FAY R? OR FAY(2N)R?) OR BY=FAY(2N)R?
S2	56	AU=(GELIN, L? OR GELIN L? OR GELIN(2N)L?) OR BY=GELIN(2N)L?
S3	0	AU=(BABINEAU, F? OR BABINEAU F? OR BABINEAU(2N)F?) OR BY=BABINEAU(2N)F?
S4	1	AU=(TINIANOV, B? OR TINIANOV B? OR TINIANOV(2N)B?) OR BY=TINIANOV(2N)B?
S5	219	S1 OR S2 OR S4
S6	27	S5 AND (NOISE OR SOUND OR SOUNDS OR ACOUSTIC OR ACOUSTICS -

```
             OR ACOUSTICALLY OR AUDIO OR AUDITORY OR AURAL OR AURALI?ATION
             OR HARMONIC OR HARMONICS)
S7           3    S6 AND (ROOM OR ROOMS OR BUILDING OR BUILDINGS OR ARCHITEC-
             TUR?? OR CONSTRUCTION OR HOUSE? ? OR HOUSING OR STRUCTUR??)
S8           2    S7 NOT PY>2000


~~  Non-Patent Literature: Full Text [group 1 or 3]
   Dialog files: 9,15,476,610,613,624,634,810,813,625,637

File   9:Business & Industry(R) Jul/1994-2007/Mar 20
         (c) 2007  The Gale Group
File  15:ABI/Inform(R) 1971-2007/Mar 21
         (c) 2007 ProQuest Info&Learning
File 476:Financial Times Fulltext 1982-2007/Mar 21
         (c) 2007 Financial Times Ltd
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File 810:Business Wire 1986-1999/Feb 28
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         (c) 1999 PR Newswire Association Inc
File 625:American Banker Publications 1981-2007/Mar 20
         (c) 2007 American Banker
File 637:Journal of Commerce 1986-2007/Mar 26
         (c) 2007 Commonwealth Bus. Media

Set     Items   Description
S1    1251321   NOISE OR NOISY OR SOUND OR SOUNDS OR ACOUSTIC OR ACOUSTICS
             OR ACOUSTICALLY OR SONIC OR AUDIBLE OR AUDIBLY OR AUDIO OR AU-
             DITORY OR AURAL OR HEARING OR PHONIC OR AURALI?ATION OR HARMO-
             NIC OR HARMONICS
S2    1596889   DECIBEL OR DECIBELS OR DB OR PRESSURE()(LEVEL OR LEVELS) OR
              PARAMETER OR PARAMETERS OR PARAMETRIC OR PARAMETRICS OR METR-
             ICS OR CRITERIA OR MEASURE? ? OR MEASUREMENT? ?
S3    3060394   PROPAGATE??? OR DISPERS??? OR TRAMSMIT?? OR TRANSMISSION OR
              ABATEMENT OR ABATING OR ABATE? ? OR CONTROL??? OR QUIET??? OR
              QUIETEN??? OR RAY()TRACING OR INSULAT??? OR DAMPEN OR HUSH OR
              SILENC??? OR ASSUAGE???
S4    4816674   SOLUTION? ? MEDIAT??? OR RESOLUTION? ? OR PERFORMANCE OR P-
             ERFORMING OR ACCOMPLISH??? OR ACCOMPLISHMENT OR OBJECTIVE?? OR
              GOAL OR GOALS OR EFFICIEN?? OR OPTIMIZING OR SOLVE OR SOLVING
              OR RESOLVE OR RESOLVING
S5    4975823   ROOM OR ROOMS OR BUILDING OR BUILDINGS OR ARCHITECTUR?? OR
             CONSTRUCTION OR HOUSE? ? OR HOUSING OR STRUCTUR?? OR EDIFICE?
             ? OR HIGHRISES OR HIGH()RISE? ? OR APARTMENTS
S6      16447   S1(8N)S2
S7      45398   S1(8N)S3
S8       2097   S6(2S)S7
S9     286318   S4(12N)S5
S10        62   S8(2S)S9
S11        29   S10 NOT PY>2000
S12        27   RD  (unique items)


^ 12/3,K/3     (Item 1 from file: 15)
DIALOG(R)File  15:ABI/Inform(R)
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02517950  116355182
Acoustical considerations in planning and design of library facilities
Wrightson, Denelle; Wrightson, John M
```

Library Hi Tech v17n4 PP: 349-357 1999
ISSN: 0737-8831 JRNL CODE: LIHT
WORD COUNT: 4051

...TEXT: be compromised by penetration for ducts, outlet boxes, and so on. To achieve its rated **performance** , it must also extend through the ceiling to the roof deck or **structure** above (see Figure 2). Many architects are used to specifying walls that are only as...

...what are the STC ratings for partitions surrounding sensitive or noisy spaces and the expected **noise** levels on hoped for " **quiet** " side of the partition. This should not be seen as challenging the design team, only as a verification that the needs of the library have been taken into consideration.

Noise criteria (NC)

Noise criteria (NC), like STC, boils a complex acoustical characteristic into a single value. The NC level...

^ 12/3,K/8 (Item 6 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

02055268 57944078
Great expectations--sound insulation in office buildings
Bridges, John
Safety & Health Practitioner v18n6 PP: 37-38 Jun 2000
ISSN: 0958-479X JRNL CODE: SHP
WORD COUNT: 1282

...TEXT: to adjacent areas. Ultimately, it is the concept of privacy itself that should be the **goal** and not the level of **sound insulation** . A **room** with poor **sound insulation** could still be private despite a high level of background noise in the listening room. Conversely, a room with high **sound insulation** does not guarantee privacy even when the listening **room** is very **quiet** .

Sound insulation is, however, the **objective parameter** that is commonly set and measured. It should therefore take account of the intended use...

...Partition din

Fit-out specifications for partitioned offices are often inadequate in terms of the **acoustic parameters** to be achieved. To avoid this there are two main options:

1. Specify the level of **sound insulation** to be achieved when the works are completed. This makes the contractor fully responsible for...

...w value, which is the measure used in ISO 140/4. Essentially, it is the **measured sound** difference between two rooms, corrected to a standard condition. If several offices need testing, a simplified **measurement** method can often be derived. An **acoustic** consultant would advise on the design targets and methods of test.

2. Specify the **sound insulation performance** of the individual **building** elements, the main ones being the partition, suspended ceiling and raised floor. This can be...

...but may not achieve the required end result. The reasons for this could include unforeseen **sound transmission** paths and poor **insulation** , so there is a degree of split responsibility. Mock-up tests carried out before the...introduce electronic speech masking systems to artificially boost the levels in order to increase privacy.
Acoustic Design has **measured** office **sound insulation** values over

many years. The worst room-to-room performances were found in the 15...

...all materials, as well as a full understanding of the systems associated with current buildings.

Sound insulation targets must be determined from the likely room usage and background noise conditions. The format...

...are set will depend upon the extent of the duties of the design team.

The performance of individual building elements will inevitably be selected from laboratory test figures with high ratings. The installed condition...

^ 12/3,K/23 (Item 1 from file: 624)
DIALOG(R)File 624:McGraw-Hill Publications

01013285
The Art and Science of Sound: ARCHITECTS AND ACOUSTICIANS MUST LISTEN TO ONE ANOTHER TO INTEGRATE GOOD DESIGN AND GOOD ACOUSTICS IN PERFORMING ARTS CENTERS.
by William Weathersby Jr.
Architectural Record, Vol. 76, No. 5, Pg 255
May, 1999
JOURNAL CODE: AR
SECTION HEADING: TECHNOLOGY ISSN: 0003-858X
WORD COUNT: 1,344

TEXT:

... of an interior space is one of the most crucial and widely debated aspects of architectural design for the performing0 arts. From musicians and actors to critics and opening-night patrons, ``How does it sound...

...century that are still revered today ``were not designed on the basis of contemporary architectural acoustic criteria ,'' notes Christopher Jaffe of Jaffe Holden Scarbrough Acoustics . ``At best, architects copied the geometries of halls that the musical community considered successful for... ... acoustical consultant. He patented the earliest acoustical tile and opened a laboratory dedicated to the measurement of sound absorption of materials and sound transmission of wall structures. His techniques are still part of the contemporary acoustician's repertoire. The sabin, the unit of measurement of acoustic absorption, is named for him.

In this century, acousticians have continued to research the relationship...

...and overall warmth of sound pleasing to the human ear.''

When steel and poured-concrete construction methods replaced solid masonry at midcentury, the interior surfaces of new performance spaces were often still plaster, but it was mounted over hollow cavities. ``The lack of...

~~ Non-Patent Literature: Full Text [group 2 or 3]
Dialog files: 16,148,160,275,621,636

File 16:Gale Group PROMT(R) 1990-2007/Mar 21
(c) 2007 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2007/Mar 13
(c)2007 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group

File 275:Gale Group Computer DB(TM) 1983-2007/Mar 21
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File 621:Gale Group New Prod.Annou.(R) 1985-2007/Mar 09
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File 636:Gale Group Newsletter DB(TM) 1987-2007/Mar 21
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Set	Items	Description
S1	2504765	NOISE OR NOISY OR SOUND OR SOUNDS OR ACOUSTIC OR ACOUSTICS OR ACOUSTICALLY OR SONIC OR AUDIBLE OR AUDIBLY OR AUDIO OR AUDITORY OR AURAL OR HEARING OR PHONIC OR AURALI?ATION OR HARMONIC OR HARMONICS
S2	2999045	DECIBEL OR DECIBELS OR DB OR PRESSURE()(LEVEL OR LEVELS) OR PARAMETER OR PARAMETERS OR PARAMETRIC OR PARAMETRICS OR METRICS OR CRITERIA OR MEASURE? ? OR MEASUREMENT? ?
S3	6192634	PROPAGATE??? OR DISPERS??? OR TRAMSMIT?? OR TRANSMISSION OR ABATEMENT OR ABATING OR ABATE? ? OR CONTROL??? OR QUIET??? OR QUIETEN??? OR RAY()TRACING OR INSULAT??? OR DAMPEN OR HUSH OR SILENC??? OR ASSUAGE???
S4	9117128	SOLUTION? ? MEDIAT??? OR RESOLUTION? ? OR PERFORMANCE OR PERFORMING OR ACCOMPLISH??? OR ACCOMPLISHMENT OR OBJECTIVE?? OR GOAL OR GOALS OR EFFICIEN?? OR OPTIMIZING OR SOLVE OR SOLVING OR RESOLVE OR RESOLVING
S5	9725098	ROOM OR ROOMS OR BUILDING OR BUILDINGS OR ARCHITECTUR?? OR CONSTRUCTION OR HOUSE? ? OR HOUSING OR STRUCTUR?? OR EDIFICE? ? OR HIGHRISES OR HIGH()RISE? ? OR APARTMENTS
S6	38857	S1(6N)S2
S7	78234	S1(4N)S3
S8	2566	S6(S)S7
S9	395098	S4(8N)S5
S10	60	S8(2S)S9
S11	21	S10 NOT PY>2000
S12	19	RD (unique items)

^ 12/3,K/15 (Item 14 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2007 The Gale Group. All rts. reserv.

03333239 SUPPLIER NUMBER: 06273637 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Guidelines for building noise control enclosures.
Carney, Kenneth E.
Plant Engineering, v41, n23, p68(4)
Dec 17, 1987
ISSN: 0032-082X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1987 LINE COUNT: 00160

... measurement is the sound transmission class (STC), a method of rating the airborne sound transmission **performance** of a wall or a floor/ceiling **structure** at different frequencies by means of a single number. The higher the STC, the better the airborne **noise control performance** of the **structure** . An STC of 50 or more is considered a good rating.

Analysis of the Problem...must be impervious to airflow. All wall openings must be sealed and caulked if a **noise** reduction of more than 10 **dB** is to be attained.

Two primary wall designs are available: single or double layered. Single...

...space between the boards with a sound absorption material improves the NR significantly. Glass fiber **insulation** can reduce **noise** as much as 12 **dB** , depending on the type, thickness, and **sound** wave frequency. In Table II, the **sound transmission** loss (in **decibels**) and the STC of some wood stud wall construction are given; Table III presents sound...

Dialog file: 20

File 20:Dialog Global Reporter 1997-2007/Mar 22
(c) 2007 Dialog

Set	Items	Description
S1	2665308	NOISE OR NOISY OR SOUND OR SOUNDS OR ACOUSTIC OR ACOUSTICS OR ACOUSTICALLY OR SONIC OR AUDIBLE OR AUDIBLY OR AUDIO OR AUDITORY OR AURAL OR HEARING OR PHONIC OR AURALI?ATION OR HARMONIC OR HARMONICS
S2	2699450	DECIBEL OR DECIBELS OR DB OR PRESSURE()(LEVEL OR LEVELS) OR PARAMETER OR PARAMETERS OR PARAMETRIC OR PARAMETRICS OR METRICS OR CRITERIA OR MEASURE? ? OR MEASUREMENT? ?
S3	5007625	PROPAGATE??? OR DISPERS??? OR TRAMSMIT?? OR TRANSMISSION OR ABATEMENT OR ABATING OR ABATE? ? OR CONTROL??? OR QUIET??? OR QUIETEN??? OR RAY()TRACING OR INSULAT??? OR DAMPEN OR HUSH OR SILENC??? OR ASSUAGE???
S4	8157001	SOLUTION? ? MEDIAT??? OR RESOLUTION? ? OR PERFORMANCE OR PERFORMING OR ACCOMPLISH??? OR ACCOMPLISHMENT OR OBJECTIVE?? OR GOAL OR GOALS OR EFFICIEN?? OR OPTIMIZING OR SOLVE OR SOLVING OR RESOLVE OR RESOLVING
S5	10680619	ROOM OR ROOMS OR BUILDING OR BUILDINGS OR ARCHITECTUR?? OR CONSTRUCTION OR HOUSE? ? OR HOUSING OR STRUCTUR?? OR EDIFICE? ? OR HIGHRISES OR HIGH()RISE? ? OR APARTMENTS
S6	16381	S1(8N)S2
S7	45046	S1(6N)S3
S8	1473	S6(2S)S7
S9	329459	S4(12N)S5
S10	30	S8(2S)S9
S11	9	S10 NOT PY>2000

^ 11/3,K/4
DIALOG(R)File 20:Dialog Global Reporter
(c) 2007 Dialog. All rts. reserv.

12956609 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Digital Audio Engines Offer a Fast Track to Multichannel Audio Decoding
BUSINESS WIRE
September 22, 2000
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 1028

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... can be hard to keep the final operating volume of the system constant. The software architecture provides volume management to solve this problem and allows the user to switch decoders and change post processing without having...

~~ Non-Patent Literature: Non-Full Text
Dialog files: 2,7,35,256,474,475,583,169,mecheng

File 2:INSPEC 1898-2007/Mar W2
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File 61:Civil Engineering Abstracts. 1966-2007/Mar
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(c) fmt only 2007 Dialog
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(c) 2007 MIRA Ltd.
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(c) 1999 Information Handling Services
File 94:JICST-EPlus 1985-2007/Mar W4
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(c) 2007 The HW Wilson Co.
File 104:AeroBase 1999-2007/Mar
(c) 2007 Contains copyrighted material
File 134:Earthquake Engineering Abstracts 1966-2007/Mar
(c) 2007 CSA.
File 293:Engineered Materials Abstracts 1966-2007/Mar
(c) 2007 CSA.
File 335:Ceramic Abstracts/World Ceramics Abstracts 1966-2007/Mar
(c) 2007 CSA.
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 2006 The Thomson Corp

Set	Items	Description
S1	2703033	NOISE OR NOISY OR SOUND OR SOUNDS OR ACOUSTIC OR ACOUSTICS OR ACOUSTICALLY OR SONIC OR AUDIBLE OR AUDIBLY OR AUDIO OR AUDITORY OR AURAL OR HEARING OR PHONIC OR AURALI?ATION OR HARMONIC OR HARMONICS
S2	12241634	DECIBEL OR DECIBELS OR DB OR PRESSURE()(LEVEL OR LEVELS) OR PARAMETER OR PARAMETERS OR PARAMETRIC OR PARAMETRICS OR METRICS OR CRITERIA OR MEASURE? ? OR MEASUREMENT? ?
S3	10554296	PROPAGATE??? OR DISPERS??? OR TRAMSMIT?? OR TRANSMISSION OR ABATEMENT OR ABATING OR ABATE? ? OR CONTROL??? OR QUIET??? OR QUIETEN??? OR RAY()TRACING OR INSULAT??? OR DAMPEN OR HUSH OR SILENC??? OR ASSUAGE???
S4	10350097	SOLUTION? ? MEDIAT??? OR RESOLUTION? ? OR PERFORMANCE OR PERFORMING OR ACCOMPLISH??? OR ACCOMPLISHMENT OR OBJECTIVE?? OR GOAL OR GOALS OR EFFICIEN?? OR OPTIMIZING OR SOLVE OR SOLVING OR RESOLVE OR RESOLVING
S5	12396164	ROOM OR ROOMS OR BUILDING OR BUILDINGS OR ARCHITECTUR?? OR CONSTRUCTION OR HOUSE? ? OR HOUSING OR STRUCTUR?? OR EDIFICE? ? OR HIGHRISES OR HIGH()RISE? ? OR APARTMENTS
S6	294756	S1(4N)S2
S7	197512	S1(4N)S3

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S8      16202   S6(20N)S7
S9     369382   S4(4N)S5
S10        78   S8(12N)S9
S11        48   S10 NOT PY>2000
S12        38   RD  (unique items)


^ 12/3,K/32     (Item 1 from file: 94)
DIALOG(R)File  94:JICST-EPlus
(c)2007 Japan Science and Tech Corp(JST). All rts. reserv.

04435929   JICST ACCESSION NUMBER: 00A0051723  FILE SEGMENT: JICST-E
Study on Comparison Between Predicted and  Measured  Values of  Sound
    Insulation   Performance  on Multiple-dwelling  Buildings .
OWAKI MASANAO (1); ZAIMA TAKEFUMI (1); MIYAZAKI HIROSHI (1); YAMASHITA
    YASUHIRO (2)
(1) Kumagai Gumi Co., Ltd., Inst. of Constr. Technol.; (2) Shinshu Univ.,
    Fac. of Eng.
Kumagaigumi Gijutsu Kenkyu Hokoku(Kumagai Technical Research Report), 1999
, NO.58, PAGE.19-25, FIG.15, TBL.5, REF.11
JOURNAL NUMBER: G0988ABO    ISSN NO: 0919-8687
UNIVERSAL DECIMAL CLASSIFICATION: 728   699.844
LANGUAGE: Japanese          COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Commentary
MEDIA TYPE: Printed Publication

Study on Comparison Between Predicted and  Measured  Values of  Sound
    Insulation   Performance  on Multiple-dwelling  Buildings .



~~  Patent Literature:
   Dialog files: 347,348,349,350

File 347:JAPIO Dec 1976-2006/Nov(Updated 070228)
         (c) 2007 JPO & JAPIO
File 348:EUROPEAN PATENTS 1978-2007/ 200708
         (c) 2007 European Patent Office
File 349:PCT FULLTEXT 1979-2007/UB=20070315UT=20070308
         (c) 2007 WIPO/Thomson
File 350:Derwent WPIX 1963-2006/UD=200719
         (c) 2007 The Thomson Corporation

Set     Items   Description
S1    1311888   NOISE OR NOISY OR SOUND OR SOUNDS OR ACOUSTIC OR ACOUSTICS
            OR ACOUSTICALLY OR SONIC OR AUDIBLE OR AUDIBLY OR AUDIO OR AU-
            DITORY OR AURAL OR HEARING OR PHONIC OR AURALI?ATION OR HARMO-
            NIC OR HARMONICS
S2    2642721   DECIBEL OR DECIBELS OR DB OR PRESSURE()(LEVEL OR LEVELS) OR
             PARAMETER OR PARAMETERS OR PARAMETRIC OR PARAMETRICS OR METR-
            ICS OR CRITERIA OR MEASURE? ? OR MEASUREMENT? ?
S3    8508523   PROPAGATE??? OR DISPERS??? OR TRAMSMIT?? OR TRANSMISSION OR
             ABATEMENT OR ABATING OR ABATE? ? OR CONTROL??? OR QUIET??? OR
             QUIETEN??? OR RAY()TRACING OR INSULAT??? OR DAMPEN OR HUSH OR
             SILENC??? OR ASSUAGE???
S4    3999726   SOLUTION? ? MEDIAT??? OR RESOLUTION? ? OR PERFORMANCE OR P-
            ERFORMING OR ACCOMPLISH??? OR ACCOMPLISHMENT OR OBJECTIVE?? OR
             GOAL OR GOALS OR EFFICIEN?? OR OPTIMIZING OR SOLVE OR SOLVING
             OR RESOLVE OR RESOLVING
S5    5811889   ROOM OR ROOMS OR BUILDING OR BUILDINGS OR ARCHITECTUR?? OR
            CONSTRUCTION OR HOUSE? ? OR HOUSING OR STRUCTUR?? OR EDIFICE?
            ? OR HIGHRISES OR HIGH()RISE? ? OR APARTMENTS
S6      78777   S1(8N)S2
S7     233264   S1(8N)S3
S8      11028   S6(60N)S7
S9     366886   S4(20N)S5
S10       108   S8(60N)S9
```

S11 7 S10 AND IC=(G06F OR G06Q)

^ 11/3,K/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO

06711655 **Image available**
SOUND INSULATION STRUCTURAL DESIGN DEVICE

PUB. NO.: 2000-297488 [JP 2000297488 A]
PUBLISHED: October 24, 2000 (20001024)
INVENTOR(s): INATOME KOICHI
APPLICANT(S): OKUMURA CORP
APPL. NO.: 11-109268 [JP 99109268]
FILED: April 16, 1999 (19990416)

INTL CLASS: E04B-001/82; G06F-017/30 ; G10K-011/16

ABSTRACT

PROBLEM TO BE SOLVED: To provide a sound insulation structural design device capable of collectively performing the whole design in regard to the sound insulation of a building in a short time.

SOLUTION: A storage means for storing a plurality of specifications being the candidate of the sound insulation measure of a building structural member is provided. Input means S1-S4 for inputting data in...

^ 11/3,K/5 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01382233 **Image available**
COMPUTER-ASSISTED EVALUATION OF BLUEPRINTS USING COMPUTER-STORABLE EVALUATION-CRITERIA
EVALUATION DE BLEUS ASSISTEE PAR ORDINATEUR AU MOYEN DE CRITERES D'EVALUATION STOCKABLES SUR ORDINATEUR
Patent Applicant/Assignee:
ACCELA INC, 4160 Dublin Boulevard, Suite 128, Dublin, CA 94568, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
SIT Ho Wing, 66 Corte Del Caballo, Moraga, CA 94556, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
MAHBOUBIAN Ramin (agent), P.O. Box 70250, Oakland, CA 94612-0250, US
Patent and Priority Information (Country, Number, Date):
Patent: WO 200665595 A2 20060622 (WO 0665595)
Application: WO 2005US44240 20051206 (PCT/WO US2005044240)
Priority Application: US 2004637017 20041217; US 2005215562 20050829
Designated States:
(All protection types applied unless otherwise stated - for applications 2004+)
AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KM KN KP KR
KZ LC LK LR LS LT LU LV LY MA MD MG MK MN MW MX MZ NA NG NI NO NZ OM PG
PH PL PT RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC
VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT LU LV MC NL
PL PT RO SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 11176

International Patent Class (v8 + Attributes)
IPC + Level Value Position Status Version Action Source Office:
G06F-0017/50 ...
Fulltext Availability:
Detailed Description

Detailed Description
... that call be provided for these categories of ftinctions.

16
Table 2
Performance based functions.

Sound Transmission . This function can be used to
0 measure the impact of nearby traffic noise and sound passing on certain living space within a building
0 measure of the impact of wall density to sound
0 etc.

Heat transmission . This function can be used to
0 measure heat loss of a building
0 measure of insulation to energy saving
0 etc.

Etc.
Non- Performance based functions.

Distance function that measures distances between objects. This fLu-iction
can be used...

Search on 09/709323

To navigate this document: use FIND function {Ctrl-F}
~~ will find the beginning of each group of results
^ will find the tagged items

~~ Patent Literature: Inventor search

File 347:JAPIO Dec 1976-2006/Nov(Updated 070228)
(c) 2007 JPO & JAPIO
File 348:EUROPEAN PATENTS 1978-2007/ 200708
(c) 2007 European Patent Office
File 349:PCT FULLTEXT 1979-2007/UB=20070315UT=20070308
(c) 2007 WIPO/Thomson
File 350:Derwent WPIX 1963-2006/UD=200719
(c) 2007 The Thomson Corporation

Set	Items	Description
S1	108	AU=FAY R?
S2	5	AU=GELIN L?
S3	8	AU=BABINEAU F?
S4	14	AU=TINIANOV B?
S5	124	S1 OR S2 OR S3 OR S4
S6	1	S5 AND IC=(G06F OR G06Q)

6/3/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2007 The Thomson Corporation. All rts. reserv.

0009322537 - Drawing available
WPI ACC NO: 1999-254046/199921
XRPX Acc No: N1999-189129
Locking units in document management system
Patent Assignee: XEROX CORP (XERO)
Inventor: FAY R G
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 5892513	A	19990406	US 1996660369	A	19960607	199921 B

Priority Applications (no., kind, date): US 1996660369 A 19960607

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 5892513	A	EN	6	5	

~~ Non-Patent Literature: Inventor search [part A]

File 2:INSPEC 1898-2007/Mar W2
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File 9:Business & Industry(R) Jul/1994-2007/Mar 20
(c) 2007 The Gale Group
File 14:Mechanical and Transport Engineer Abstract 1966-2007/Mar
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File 16:Gale Group PROMT(R) 1990-2007/Mar 20
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File 20:Dialog Global Reporter 1997-2007/Mar 21
(c) 2007 Dialog

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File  25:Weldasearch 1966-2007/Jan
        (c) 2007 TWI Ltd
File  33:Aluminium Industry Abstracts 1966-2007/Mar
        (c) 2007 CSA.
File  34:SciSearch(R) Cited Ref Sci 1990-2007/Mar W2
        (c) 2007 The Thomson Corp
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File  57:Electronics & Communications Abstracts 1966-2007/Mar
        (c) 2007 CSA.
File  60:ANTE: Abstracts in New Tech & Engineer 1966-2007/Mar
        (c) 2007 CSA.
File  61:Civil Engineering Abstracts. 1966-2007/Mar
        (c) 2007 CSA.
File  63:Transport Res(TRIS) 1970-2007/Feb
        (c) fmt only 2007 Dialog
File  65:Inside Conferences 1993-2007/Mar 21
        (c) 2007 BLDSC all rts. reserv.
File  81:MIRA - Motor Industry Research 2001-2007/Dec
         (c) 2007 MIRA Ltd.
File  92:IHS Intl.Stds.& Specs. 1999/Nov
        (c) 1999 Information Handling Services
File  94:JICST-EPlus 1985-2007/Mar W4
        (c)2007 Japan Science and Tech Corp(JST)
File  95:TEME-Technology & Management 1989-2007/Mar W3
        (c) 2007 FIZ TECHNIK
File  96:FLUIDEX 1972-2006/Aug
        (c) 2006 Elsevier B.V.
File  99:Wilson Appl. Sci & Tech Abs 1983-2007/Feb
        (c) 2007 The HW Wilson Co.
File 104:AeroBase 1999-2007/Mar
        (c) 2007 Contains copyrighted material
File 134:Earthquake Engineering Abstracts 1966-2007/Mar
        (c) 2007 CSA.

Set     Items   Description
S1        544   AU=(FAY, R? OR FAY R? OR FAY(2N)R?) OR BY=FAY(2N)R?
S2         11   AU=(GELIN, L? OR GELIN L? OR GELIN(2N)L?) OR BY=GELIN(2N)L?
S3          4   AU=(BABINEAU, F? OR BABINEAU F? OR BABINEAU(2N)F?) OR BY=B-
              ABINEAU(2N)F?
S4         21   AU=(TINIANOV, B? OR TINIANOV B? OR TINIANOV(2N)B?) OR BY=T-
              INIANOV(2N)B?
S5        576   S1 OR S2 OR S3 OR S4
S6        228   S5 AND (NOISE OR SOUND OR SOUNDS OR ACOUSTIC OR ACOUSTICS -
              OR ACOUSTICALLY OR AUDIO OR AUDITORY OR AURAL OR AURALI?ATION
              OR HARMONIC OR HARMONICS)
S7         29   S6 AND (ROOM OR ROOMS OR BUILDING OR BUILDINGS OR ARCHITEC-
              TUR?? OR CONSTRUCTION OR HOUSE? ? OR HOUSING OR STRUCTUR??)
S8         12   S7 NOT PY>2000
S9          9   RD  (unique items)

^ 9/3,K/1     (Item 1 from file: 2)
DIALOG(R)File   2:INSPEC
(c) 2007 Institution of Electrical Engineers. All rts. reserv.

07784751   INSPEC Abstract Number: A2001-02-4385D-007
  Title: Recent measurements of total energy density using a unique
transducer array
  Author(s):  Tinianov, B.
  Author Affiliation: Johns Manville Tech. Center, Littleton, CO, USA
  Journal:  Canadian  Acoustics Conference Title: Can. Acoust. (Canada)
vol.28, no.3    p.18-19
  Publisher: Canadian Acoust. Assoc,
  Publication Date: Sept. 2000  Country of Publication: Canada
  CODEN: CAACDX  ISSN: 0711-6659
  SICI: 0711-6659(200009)28:3L.18:RMTE;1-K
  Material Identity Number: B883-2000-004
  Conference  Title:  Acoustic  Week in Canada (papers in summary form only
received)
```

Conference Date: Oct. 2000 Conference Location: Sherbrook, Que., Canada
Language: English
Subfile: A

Author(s): Tinianov, B.
Abstract: Contemporary laboratory test methods determine the sound power of a noise source by sampling the sound pressure in a reverberant field. While these tests allow for a convenient assessment, they falsely assume that either the sound field is ideally diffuse, or that the sampled data adequately represent the average sound pressure in the room . The research of Budhiantho (1997), developed theoretical probability density functions for the potential, kinetic, and total energy densities were modeled in a reverberant sound field. These models suggest that the variance of the total energy density is one half that of the potential energy density approximated by the sound pressure in current test methods and such measurements could yield more accurate results. Experiments were...
Descriptors: acoustic field...

... acoustic intensity measurement...

... acoustic transducer arrays
...Identifiers: sound power...

... noise source...

... sound pressure

9/3,K/2 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC

07757561 INSPEC Abstract Number: A2000-24-8734-017
Title: Evolution of hearing in vertebrates: the inner ears and processing
Author(s): Fay, R.R. ; Popper, A.N.
Author Affiliation: Parmly Hearing Inst., Loyola Univ., Chicago, IL, USA
Journal: Hearing Research vol.149, no.1-2 p.1-10
Publisher: Elsevier,
Publication Date: Nov. 2000 Country of Publication: Netherlands
CODEN: HERED3 ISSN: 0378-5955
SICI: 0378-5955(200011)149:1/2L.1:EHVI;1-Z
Material Identity Number: E889-2000-011
U.S. Copyright Clearance Center Code: 0378-5955/2000/$20.00
Language: English
Subfile: A

Author(s): Fay, R.R. ; Popper, A.N.
Abstract: Considers aspects of the evolution of the vertebrate auditory system from an 'ichthyiocentric' perspective. It is argued that all vertebrate auditory systems are required to do certain basic tasks including acoustic feature discrimination, sound source localization, frequency analysis, and auditory scene analysis, among others. These sorts of capabilities arose very early in the evolution of...

...vertebrates and have been modified by selection in different species. In some cases the same structures have been involved in detection and analysis throughout the vertebrates, while in other cases the...
Identifiers: vertebrate auditory system...

... acoustic feature discrimination...

... sound source localization...

... auditory scene analysis

9/3,K/3 (Item 3 from file: 2)
DIALOG(R)File 2:INSPEC

05717381 INSPEC Abstract Number: A9417-8734-018
Title: Perception of temporal acoustic patterns by the goldfish (Carassius auratus)
Author(s): Fay, R.R.
Author Affiliation: Parmly Hearing Inst., Loyola Univ., Chicago, IL, USA
Journal: Hearing Research vol.76, no.1-2 p.158-72
Publication Date: 1 June 1994 Country of Publication: Netherlands
CODEN: HERED3 ISSN: 0378-5955
U.S. Copyright Clearance Center Code: 0378-5955/94/$07.00
Language: English
Subfile: A

Title: Perception of temporal acoustic patterns by the goldfish (Carassius auratus)
Author(s): Fay, R.R.
Abstract: The perception of temporal acoustic patterns was studied in the goldfish using classical respiratory conditioning in combination with a stimulus...

...the perceptual qualities of simple and complex temporal patterns are not primarily determined by spectral structure or pulse rate, but rather are determined by the distribution of IPIs. A model for...

... experiments demonstrate the potential usefulness of the stimulus generalization paradigm for investigating aspects of complex sound source perception in non-human animals.
Identifiers: temporal acoustic patterns perception...

...spectral structure ; ...

...complex sound source perception

9/3,K/4 (Item 4 from file: 2)
DIALOG(R)File 2:INSPEC

02263649 INSPEC Abstract Number: A78088720
Title: Phase-locking in goldfish saccular nerve fibres accounts for frequency discrimination capacities
Author(s): Fay, R.R.
Author Affiliation: Dept. of Psychology, Loyola Univ., Chicago, IL, USA
Journal: Nature vol.275, no.5678 p.320-2
Publication Date: 28 Sept. 1978 Country of Publication: UK
CODEN: NATUAS ISSN: 0028-0836
Language: English
Subfile: A

Author(s): Fay, R.R.
Abstract: In the auditory systems of fishes a mechanical analysis of frequency had seemed unlikely on the basis of the ear's rather undifferentiated structural organisation. However, recent neurophysiological data show that a limited peripheral frequency analysis occurs in several...

... form the basis for psychophysical demonstrations of filtering and for frequency discrimination in the fish auditory system. An experiment is reported which helps to resolve this question of frequency codings by...
...Identifiers: auditory systems of fishes

9/3,K/5 (Item 5 from file: 2)
DIALOG(R)File 2:INSPEC

01551189 INSPEC Abstract Number: A73059425
Title: Sound detection and processing by teleost fishes, a critical review
Author(s): Popper, A.N.; Fay, R.R.
Author Affiliation: Univ. Hawaii, Honolulu, HI, USA
Journal: Journal of the Acoustical Society of America vol.53, no.6 p.1515-29
Publication Date: June 1973 Country of Publication: USA
CODEN: JASMAN ISSN: 0001-4966
Language: English
Subfile: A

Title: Sound detection and processing by teleost fishes, a critical review
Author(s): Popper, A.N.; Fay, R.R.
...Abstract: review is to revaluate the current experimental literature on fish audition based upon evaluation of structural physiological and behavioral studies. The specific emphasis of the paper is to (1) review the ...

... hearing in fishes; (2) look at the subject of fish hearing from the standpoint of auditory mechanisms and their relationship to what is known about hearing in terrestrial vertebrates and (3...
Identifiers: sound processing...

... sound detection...

... auditory mechanisms

9/3,K/6 (Item 6 from file: 2)
DIALOG(R)File 2:INSPEC

0000446940 INSPEC Abstract Number: 1956A02763
Title: Historical note on the Haas effect
Author(s): Fay, R.D. ; Hall, W.M.
Journal: Journal of the Acoustical Society of America 28 1 p. 131-132
Publication Date: Jan. 1956 Country of Publication: USA
Language: English
Subfile: A

Author(s): Fay, R.D. ; Hall, W.M.
Descriptors: architectural acoustics ;
Identifiers: architectural acoustics ;

9/3,K/7 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

06125970 Genuine Article#: XW617 No. References: 54
Title: Evolution of the ear and hearing: Issues and questions
Author(s): Popper AN (REPRINT) ; Fay RR
Corporate Source: UNIV MARYLAND,DEPT ZOOL/COLLEGE PK//MD/20742 (REPRINT); LOYOLA UNIV,PARMLY HEARING INST/CHICAGO//IL/60626; LOYOLA UNIV,DEPT PSYCHOL/CHICAGO//IL/60626
Journal: BRAIN BEHAVIOR AND EVOLUTION, 1997, V50, N4 (OCT), P213-221
ISSN: 0006-8977 Publication date: 19971000
Publisher: KARGER, ALLSCHWILERSTRASSE 10, CH-4009 BASEL, SWITZERLAND
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Author(s): Popper AN (REPRINT) ; Fay RR
...Abstract: early in the evolution of the vertebrates. While there are significant interspecific differences in ear structure , it appears that receptor cell structure and the basic function of the ear and

auditory system are similar among all vertebrate groups. In this paper we present the evolution of...

...that there have been strong selective pressures in most vertebrate groups for the sorts of sound encoding and processing abilities that result in the efficient detection, localization, and identification of sound sources in noisy environments. Many of the encoding and processing strategies underlying these functions are...
Research Fronts: 95-5642 002 (MAUTHNER CELL RESPONSE; SOUND ONSET; PRIMARY SACCULAR AFFERENTS OF GOLDFISH)
95-6443 001 (OTOACOUSTIC EMISSIONS; AUDITORY CONDITIONING; HIGH-FREQUENCY ACOUSTIC TRAUMA; VERTEBRATE HAIR-CELLS)

9/3,K/8 (Item 1 from file: 61)
DIALOG(R)File 61:Civil Engineering Abstracts.

0000018432 IP ACCESSION NO: A2004-21-00994
Acoustic and Illumination Design of Conference Rooms

Muehleisen, R.T.; Tinianov, B.D. ; Beamer, C.W.I.; Hougland, D.S.

PAGES: NA

PUBLISHER: American Society of Civil Engineers, 1801 Alexander Bell Drive, Reston, VA, 20191-4400
COUNTRY OF PUBLICATION: USA
PUBLISHER URL: http://www.asce.org
PUBLISHER EMAIL: journal-services@asce.org

CONFERENCE:
Architectural Engineering 2003 - Building Integration Solutions

DOCUMENT TYPE: Conference Paper
RECORD TYPE: Abstract
LANGUAGE: English
ISBN: 0-7844-0699-5
FILE SEGMENT: Civil Engineering Abstracts
Acoustic and Illumination Design of Conference Rooms

Muehleisen, R.T.; Tinianov, B.D. ; Beamer, C.W.I.; Hougland, D.S.

ABSTRACT:
The conference room is one of the most important venues for corporations, governments, and schools. The conference room is the place where, among other things, designs are presented and sold, contracts are negotiated and signed, and executives hold meetings and develop corporate policy. While a properly designed conference room is rarely noticed, a poorly designed conference room is always noticed. Whether communication is truly hindered or occupants are merely distracted, a poorly designed conference room will have a negative impact on the business taking place in the room . Since the main form of communication in nearly all conference rooms is aural , the acoustic design of conference rooms is paramount and should not be considered less important than the overall aesthetic concept of...

...of communication comes in the form of visuals, proper illumination design is also important. The acoustic goals can usually be met by ensuring that the background noise level is below 38 dBA, the 1 kHz reverberation time is under 0.5 seconds...

DESCRIPTORS: Acoustics ; Light; Building design; Architectural engineering
...SUBJ CATG: Buildings , Towers, and Tanks

9/3,K/9 (Item 1 from file: 65)
DIALOG(R)File 65:Inside Conferences

01632373 INSIDE CONFERENCE ITEM ID: CN016174893
Active HVAC duct silencing: Noise control in buildings without exposed fiberglass
Dineen, S. H.; Gelin, L. J. ; Wise, S.
CONFERENCE: Acoustics week in Canada-Conference
CANADIAN ACOUSTICS, 1996; VOL 24; NUMBER 3 P: 8
Canadian Acoustical Society, 1996
ISSN: 0711-6659
LANGUAGE: English DOCUMENT TYPE: Conference Short papers
CONFERENCE LOCATION: Calgary, Canada
CONFERENCE DATE: Oct 1996 (199610)

Active HVAC duct silencing: Noise control in buildings without exposed fiberglass
Dineen, S. H.; Gelin, L. J. ; Wise, S.
DESCRIPTORS: acoustics

~~ Non-Patent Literature: Inventor search [part B]

File 148:Gale Group Trade & Industry DB 1976-2007/Mar 12
(c)2007 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group
File 169:Insurance Periodicals 1984-1999/Nov 15
(c) 1999 NILS Publishing Co.
File 256:TecInfoSource 82-2007/Oct
(c) 2007 Info.Sources Inc
File 275:Gale Group Computer DB(TM) 1983-2007/Mar 20
(c) 2007 The Gale Group
File 293:Engineered Materials Abstracts 1966-2007/Mar
(c) 2007 CSA.
File 335:Ceramic Abstracts/World Ceramics Abstracts 1966-2007/Mar
(c) 2007 CSA.
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
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(c) 2002 The Gale Group
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(c) 2007 Business Wire.
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(c) 2007 PR Newswire Association Inc
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(c) 2007 McGraw-Hill Co. Inc
File 634:San Jose Mercury Jun 1985-2007/Mar 16
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File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc
File 621:Gale Group New Prod.Annou.(R) 1985-2007/Mar 09
(c) 2007 The Gale Group
File 625:American Banker Publications 1981-2007/Mar 20
(c) 2007 American Banker
File 636:Gale Group Newsletter DB(TM) 1987-2007/Mar 20
(c) 2007 The Gale Group
File 637:Journal of Commerce 1986-2007/Mar 26
(c) 2007 Commonwealth Bus. Media

Set Items Description

```
S1        162   AU=(FAY, R? OR FAY R? OR FAY(2N)R?) OR BY=FAY(2N)R?
S2         56   AU=(GELIN, L? OR GELIN L? OR GELIN(2N)L?) OR BY=GELIN(2N)L?
S3          0   AU=(BABINEAU, F? OR BABINEAU F? OR BABINEAU(2N)F?) OR BY=B-
               ABINEAU(2N)F?
S4          1   AU=(TINIANOV, B? OR TINIANOV B? OR TINIANOV(2N)B?) OR BY=T-
               INIANOV(2N)B?
S5        219   S1 OR S2 OR S4
S6         27   S5 AND (NOISE OR SOUND OR SOUNDS OR ACOUSTIC OR ACOUSTICS -
               OR ACOUSTICALLY OR AUDIO OR AUDITORY OR AURAL OR AURALI?ATION
               OR HARMONIC OR HARMONICS)
S7          3   S6 AND (ROOM OR ROOMS OR BUILDING OR BUILDINGS OR ARCHITEC-
               TUR?? OR CONSTRUCTION OR HOUSE? ? OR HOUSING OR STRUCTUR??)
S8          2   S7 NOT PY>2000

 8/3,K/1     (Item 1 from file: 434)
DIALOG(R)File 434:SciSearch(R) Cited Ref Sci
(c) 2006 The Thomson Corp. All rts. reserv.

02223889   Genuine Article#: FP096   No. References: 0
Title:  STRUCTURE  AND FUNCTION IN TELEOST  AUDITORY  SYSTEMS
Author(s):  FAY RR ; POPPER AN
Corporate Source: LOYOLA UNIV,DEPT PSYCHOL/CHICAGO//IL/60626; GEORGETOWN
    UNIV,SCH MED & DENT,DEPT ANAT/WASHINGTON//DC/20007
Journal: JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, 1978, V64, S1, PS1
Language: ENGLISH   Document Type: MEETING ABSTRACT

Title:  STRUCTURE  AND FUNCTION IN TELEOST  AUDITORY  SYSTEMS
Author(s):  FAY RR ; POPPER AN


 8/3,K/2     (Item 2 from file: 434)
DIALOG(R)File 434:SciSearch(R) Cited Ref Sci
(c) 2006 The Thomson Corp. All rts. reserv.

01585754   Genuine Article#: DM198   No. References: 39
Title:  STRUCTURE  AND FUNCTION OF ELASMOBRANCH  AUDITORY -SYSTEM
Author(s): POPPER AN;  FAY RR
Corporate Source: UNIV HAWAII,DEPT ZOOL/HONOLULU//HI/96822; UNIV
    HAWAII,SENSORY SCI LAB/HONOLULU//HI/96822; LOYOLA UNIV,DEPT
    PSYCHOL/CHICAGO//IL/60611
Journal: AMERICAN ZOOLOGIST, 1977, V17, N2, P443-452
Language: ENGLISH   Document Type: ARTICLE

Title:  STRUCTURE  AND FUNCTION OF ELASMOBRANCH  AUDITORY -SYSTEM
Author(s): POPPER AN;  FAY RR



~~  Non-Patent Literature: Full Text [group 1 or 3]
   Dialog files: 9,15,476,610,613,624,634,810,813,625,637

File   9:Business & Industry(R) Jul/1994-2007/Mar 20
         (c) 2007  The Gale Group
File  15:ABI/Inform(R) 1971-2007/Mar 21
         (c) 2007 ProQuest Info&Learning
File 476:Financial Times Fulltext 1982-2007/Mar 21
         (c) 2007 Financial Times Ltd
File 610:Business Wire 1999-2007/Mar 21
         (c) 2007 Business Wire.
File 613:PR Newswire 1999-2007/Mar 21
         (c) 2007 PR Newswire Association Inc
File 624:McGraw-Hill Publications 1985-2007/Mar 21
         (c) 2007 McGraw-Hill Co. Inc
File 634:San Jose Mercury  Jun 1985-2007/Mar 16
         (c) 2007 San Jose Mercury News
File 810:Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc
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File 625:American Banker Publications 1981-2007/Mar 20
(c) 2007 American Banker
File 637:Journal of Commerce 1986-2007/Mar 26
(c) 2007 Commonwealth Bus. Media

Set	Items	Description
S1	1251321	NOISE OR NOISY OR SOUND OR SOUNDS OR ACOUSTIC OR ACOUSTICS OR ACOUSTICALLY OR SONIC OR AUDIBLE OR AUDIBLY OR AUDIO OR AUDITORY OR AURAL OR HEARING OR PHONIC OR AURALI?ATION OR HARMONIC OR HARMONICS
S2	1596889	DECIBEL OR DECIBELS OR DB OR PRESSURE()(LEVEL OR LEVELS) OR PARAMETER OR PARAMETERS OR PARAMETRIC OR PARAMETRICS OR METRICS OR CRITERIA OR MEASURE? ? OR MEASUREMENT? ?
S3	3060394	PROPAGATE??? OR DISPERS??? OR TRAMSMIT?? OR TRANSMISSION OR ABATEMENT OR ABATING OR ABATE? ? OR CONTROL??? OR QUIET??? OR QUIETEN??? OR RAY()TRACING OR INSULAT??? OR DAMPEN OR HUSH OR SILENC??? OR ASSUAGE???
S4	4816674	SOLUTION? ? MEDIAT??? OR RESOLUTION? ? OR PERFORMANCE OR PERFORMING OR ACCOMPLISH??? OR ACCOMPLISHMENT OR OBJECTIVE?? OR GOAL OR GOALS OR EFFICIEN?? OR OPTIMIZING OR SOLVE OR SOLVING OR RESOLVE OR RESOLVING
S5	4975823	ROOM OR ROOMS OR BUILDING OR BUILDINGS OR ARCHITECTUR?? OR CONSTRUCTION OR HOUSE? ? OR HOUSING OR STRUCTUR?? OR EDIFICE? ? OR HIGHRISES OR HIGH()RISE? ? OR APARTMENTS
S6	16447	S1(8N)S2
S7	45398	S1(8N)S3
S8	2097	S6(2S)S7
S9	286318	S4(12N)S5
S10	62	S8(2S)S9
S11	29	S10 NOT PY>2000
S12	27	RD (unique items)

12/3,K/1 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)

02148587 Supplier Number: 25695477 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Advanced Mfg. Center to market motor-testing device
(Advanced Mfg Center posted industrial project revenue of $3.2 mil in fiscal yr ended 6/30/99 vs $2.4 mil in fiscal 1998; center aims to market motor measuring device to local manufacturers, starting summer 2000)
Crain's Cleveland Business, v 21, p 4
May 08, 2000
DOCUMENT TYPE: Journal ISSN: 0197-2375 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 600

TEXT:
...University plans to market to local manufacturers a device it has created for testing the **sound** of electric motors to assure users they run **quietly** and reliably.

The testing device **measures** and analyzes motor **noise** and vibration, and was developed by CSU associate professor of mechanical engineering Pat Flanagan for...

...center's associate director, Edward J. Nolan, said the device should further the center's **goal** of providing Cleveland-area companies with machinery **building** services.

12/3,K/2 (Item 2 from file: 9)
DIALOG(R)File 9:Business & Industry(R)

02084494 Supplier Number: 25580520 (USE FORMAT 7 OR 9 FOR FULLTEXT)
USWA involved in legal disputes with AK and Rocky Mountain Steel
(AK Steel gets slapped with lawsuit by member of the USWA for allegedly not

meeting tax abatement requirements)
New Steel, v 16, n 2, p 8+
February 2000
DOCUMENT TYPE: Journal ISSN: 0897-4365 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1198

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...with environmental regulations. It also alleges that the company failed to comply with new-source **performance** standards (NSPS) related to **construction** of the company's second EAF in the late 1970s, violated permit limits on the...

...steelmaker "a special deal" that is "probably illegal" because it provides RMSM with relaxed pollution- **control** **measures** and sidesteps public- **hearing** requirements, the union says. "The CDPHE has allowed (RMSM) to abuse the system long enough...

^ 12/3,K/3 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

02517950 116355182
Acoustical considerations in planning and design of library facilities
Wrightson, Denelle; Wrightson, John M
Library Hi Tech v17n4 PP: 349-357 1999
ISSN: 0737-8831 JRNL CODE: LIHT
WORD COUNT: 4051

...TEXT: be compromised by penetration for ducts, outlet boxes, and so on. To achieve its rated **performance** , it must also extend through the ceiling to the roof deck or **structure** above (see Figure 2). Many architects are used to specifying walls that are only as...

...what are the STC ratings for partitions surrounding sensitive or noisy spaces and the expected **noise** levels on hoped for " quiet " side of the partition. This should not be seen as challenging the design team, only as a verification that the needs of the library have been taken into consideration.

Noise **criteria** (NC)

Noise **criteria** (NC), like STC, boils a complex acoustical characteristic into a single value. The NC level...

12/3,K/4 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

02283297 86922443
A strategic methodology to the use of advanced statistical quality improvement techniques
Kaye, Jiju Antony Mike; Frangou, Andreas
TQM Magazine v10n3 PP: 169 1998
ISSN: 0954-478X JRNL CODE: TQM
WORD COUNT: 4269

...TEXT: identification of welding process parameters which have an impact on the core tube life. Five **control** variables and one **noise** variable were studied using a 16-run experiment (i.e. L16 OA) recommended by Taguchi ...

...significant effects were based on the ANOVA, on the mean response and the signal-to- **noise** ratio (Taguchi, 1987). The optimal process parameters (or factors) were determined and the mean life of the core tube

at the optimal...

...Conclusions

The paper presents a strategic and practical methodology for ASQIT as a powerful problem- solving tool for continuous quality improvement. The goal of this systematic and structured approach is to assist engineers with limited skills in statistics and manufacturing for tackling process...

12/3,K/5 (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

02272458 86923622
New directions of environmental management in construction: accepted levels of pollution
Yip, Joseph S L
Structural Survey v18n2 PP: 89-98 2000
ISSN: 0263-080X JRNL CODE: STSV
WORD COUNT: 5542

...TEXT: government departments regulate new construction by demanding inclusion of a wide variety of environmental protection measures , such as Air Pollution Control Ordinance, Noise Control Ordinance, Water Pollution Control Ordinance, Waste Disposal Ordinance and Dangerous Goods Ordinance. Although these measures have been initiated mainly...

...completed scheme within budget and time limit. In the research report titled "Project management in building ", the Chartered Institute of Building (1988) states that: "...the objectives of project management are to apply management skills and techniques to the organisation and to...

12/3,K/6 (Item 4 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

02249338 86923403
Improving the sound insulation of timber floor constructions with lath and plaster ceilings
John Peter Roberts; A. Peyvandi; C.J. Hill
Structural Survey v14n4 PP: 21 1996
ISSN: 0263-080X JRNL CODE: STSV
WORD COUNT: 2756

...TEXT: ceiling and the need for the provision of access to services without loss of acoustic performance .

The construction tested was chosen for the ease with which it could be built. Thus it was...

...the walls with metal angles. With each change in position of the independent ceiling the acoustic insulation was measured with and without sealing the gaps between the wall and ceiling.

The sound insulation performance of the independent ceiling appears to remain more or less constant for ceiling separations...

12/3,K/7 (Item 5 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

02132126 62787517
Keeping the great outdoors--outdoors
Anonymous
Buildings v94n10 PP: 30 Oct 2000
ISSN: 0007-3725 JRNL CODE: BLD

WORD COUNT: 617

...TEXT: ambience, and the degree of sound reduction necessary for occupants to function effectively. When discussing sound reduction, the acronym STL (Sound Transmission Loss) is used.

Other terms are used to identify sound reduction:

Sound Transmission Class (STC...

...from 125 Hz to 4,000 Hz. It is developed to describe speech isolation between rooms , so it is not necessarily the best performance specification for windows. Above approximately STC 48, performance improvements become increasingly difficult.

The Outdoor-Indoor...

^ 12/3,K/8 (Item 6 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

02055268 57944078
Great expectations--sound insulation in office buildings
Bridges, John
Safety & Health Practitioner v18n6 PP: 37-38 Jun 2000
ISSN: 0958-479X JRNL CODE: SHP
WORD COUNT: 1282

...TEXT: to adjacent areas. Ultimately, it is the concept of privacy itself that should be the goal and not the level of sound insulation . A room with poor sound insulation could still be private despite a high level of background noise in the listening room. Conversely, a room with high sound insulation does not guarantee privacy even when the listening room is very quiet .

Sound insulation is, however, the objective parameter that is commonly set and measured. It should therefore take account of the intended use...

...Partition din

Fit-out specifications for partitioned offices are often inadequate in terms of the acoustic parameters to be achieved. To avoid this there are two main options:

1. Specify the level of sound insulation to be achieved when the works are completed. This makes the contractor fully responsible for...

...w value, which is the measure used in ISO 140/4. Essentially, it is the measured sound difference between two rooms, corrected to a standard condition. If several offices need testing, a simplified measurement method can often be derived. An acoustic consultant would advise on the design targets and methods of test.

2. Specify the sound insulation performance of the individual building elements, the main ones being the partition, suspended ceiling and raised floor. This can be...

...but may not achieve the required end result. The reasons for this could include unforeseen sound transmission paths and poor insulation , so there is a degree of split responsibility. Mock-up tests carried out before the...introduce electronic speech masking systems to artificially boost the levels in order to increase privacy.
Acoustic Design has measured office sound insulation values over many years. The worst room-to-room performances were found in the 15...

...all materials, as well as a full understanding of the systems associated with current buildings.

Sound insulation targets must be determined from the likely room usage and background noise conditions. The format...

...are set will depend upon the extent of the duties of the design team.

The performance of individual building elements will inevitably be selected from laboratory test figures with high ratings. The installed condition...

12/3,K/9 (Item 7 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01965666 45388300
KCET Digital Educational Telecommunications Center
Wenhardt, Darrell
Broadcast Engineering v41n8 PP: 46-54 Jul 1999
ISSN: 0007-1994 JRNL CODE: BRG
WORD COUNT: 2312

...TEXT: details took shape, CBT Systems evaluated building infrastructure requirements for power grounding, HVAC, mechanical systems, acoustics and signal distribution.

Acoustics

Sound transmission control and control room interior acoustical treatment was critical. All production control, editing and master control rooms were designed to implement full 5.1 surround sound . Not only did room interior noise criteria levels become critical, but sound transmission levels between walls and ceilings became even more important to isolate the additional subwoofer energy. Thus, the design goal for building partition sound transmission ratings ran STC-50 to STC62. In-room noise criteria requirements ranged from NC-15 to NC-30.
A combination of isolated slab subfloors, floating...

...wall construction, floating ceiling lids and cavity absorption were employed to achieve both good in- room acoustical performance and excellent audio containment between adjacent rooms .

Cable and signal distribution

An 18-inch raised-access flooring system was designed as the...

12/3,K/10 (Item 8 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01848961 04-99952
Video networking answers?
Keenan, Philip
Telecommunications (International Edition) v33n6 PP: 77-78 Jun 1999
ISSN: 0040-2494 JRNL CODE: TIE
WORD COUNT: 1511

...TEXT: multiway transcoding, every endpoint connects with every other at all of its optimal video and audio parameters . Not only does this multiway transcoding ensure fast, trouble-free setup, but it also guarantees...

...and running. In this sense, successful video conferencing depends very much on having a dependable architecture .

One of the central goals of videoconferencing is to make remote meetings more life-like - more like face-to-face...

12/3,K/11 (Item 9 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01806390 04-57381
Solving noise problems
Sutcliffe, Virginia
Occupational Hazards v61n4 PP: 45-48 Apr 1999
ISSN: 0029-7909 JRNL CODE: OHA
WORD COUNT: 1937

...TEXT: for cleaning and transport noise are other noise sources. "Air noise is a high--frequency **noise** that usually ranges from 90-100 dB. It can significantly effect **hearing** loss but can be more readily **controlled** than other **noise** sources," said Roth. Fans and blowers can also create a significant amount of background noise...

...talks with the company's safety professionals, managers and supervisors in order to prioritize their **noise** problem. This ensures that money spent on **noise** **control** is used wisely. "I am often asked to resolve noise problems, but the company I...

...have a good idea of what they want to achieve," said Roth. "The cost of **noise** **control** can be increased or decreased significantly by choosing an appropriate **goal** ."
(Photograph Omitted)

Captioned as: This **room** .like enclosure is used to control the noise caused by a large machine or group...

12/3,K/12 (Item 10 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01739646 03-90636
Post Logic Studios goes HD
Anonymous
Broadcast Engineering v40n12 PP: 72-76 Nov 1998
ISSN: 0007-1994 JRNL CODE: BRG
WORD COUNT: 1510

...TEXT: facility is that TMH Corporation independently qualified the design, equipment selection, and processes for optimal **performance** .

The firm conducted extensive testing to ensure optimal **room** acoustics. The Post Logic facility is the first to be TMH-qualified. As part of continuing qualification processes, TMH provides Post Logic an easy, repeatable way of confirming **performance** on a daily basis.

The telecine rooms are acoustically and vibration isolated from the **building** with a **goal** of NC-20. The **audio** **control** **room** **measured** flat 3dB before EQ.

The HD telecine suites are appropriately optimized for Dolby surround sound ...

12/3,K/13 (Item 11 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01535003 01-85991
Tulsa turns down the noise
Johnston, Christopher
Editor & Publisher v130n44 PP: 24-26 Nov 1, 1997
ISSN: 0013-094X JRNL CODE: EDP

ABSTRACT: The Tulsa World is quieting the high- decibel clamor of its printing machines using custom-fabricated noise -protection panels. The structural-acoustical modules are installed between press units over the pressroom floor...

...topped by the standard press platform, though, they perform a combined function, providing a high- performance noise - abatement system between the pressroom and the reel room - absorbing noise and reverberation in both areas - and preventing transmission of high noise levels between the 2 rooms.

12/3,K/14 (Item 12 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01318971 99-68367
Bipolar-FET process targets RF design
Robinson, Gail
Electronic Engineering Times n922 PP: 33-34 Oct 7, 1996
ISSN: 0192-1541 JRNL CODE: ELET
WORD COUNT: 1025

...TEXT: C for growth of the HBT layers had little effect on the previously defined HEMT structure . "We have noted less than a 10 percent degradation in performance ," Yang said.

Just as with BiCMOS and other silicon bipolar and MOSFET combinations, uniting HBT...

...offers device designers opportunities to blend the best aspects of both. For example, because its noise figure can go below 1 decibel . a HEMT can act as a low- noise amplifier. It also makes a good switch due to an extremely high-frequency response-up...

...HBT frequency is a little below 300 GHz, it can be used as a voltage-controlled oscillator because of its good 1/F noise . HBTs have better linearity than HEMTs, offering good matching device characteristics, especially threshold matching.

And...

12/3,K/15 (Item 13 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00879727 95-29119
Customer service measurement: A methodology for increasing customer value through utilization of the Taguchi Strategy
Holcomb, Mary Collins
Journal of Business Logistics v15n1 PP: 29-52 1994
ISSN: 0735-3766 JRNL CODE: JBL
WORD COUNT: 4914

...TEXT: versus promotional orders are significantly different (Figure 2). (Figure 2 omitted)

PHASE 2

The research objectives for this phase of the study are structured for application of the design of experiment approach to the customer service process. Taguchi has...

...that the system consistently exhibits a high level of performance and is minimally sensitive to noise . A parameter design typically involves two types of factors: control and noise factors (uncontrollable factors that vary with customer environment). Parameter design examines interactions between control factors and noise factors in order to

achieve robustness of performance.

The following objectives were established for the...

12/3,K/16 (Item 14 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00753099 94-02491
Integrating radio test for high speed production
Horne, Ken
Telecommunications (International Edition) v27n8 PP: 43-44 Aug 1993
JRNL CODE: TIE
WORD COUNT: 1431

...TEXT: of component instruments is not the best available, then this will reflect on the overall **performance** of the test set.

The utilization of a parallel processing **architecture** with multiple microprocessors and digital signal processors (DSPs) can significantly enhance the **performance** of the radio test set. Microcontrollers can be used to control sections of the hardware...

...transform (FFT) analyzer and RF spectrum analyzer are also extremely useful. On many radio systems, **control** signals are used throughout the audio spectrum and beyond. The ability to monitor an audio spectrum is invaluable for examining the...

...spectrum analyzer, although its actual implementation is different. A spectrum of frequencies is displayed, enabling **harmonics** and other unwanted signals to be seen and **measured** --useful to discover what is causing a poor distortion or noise reading. Just as the...

12/3,K/17 (Item 15 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00726016 93-75237
Institute Initiative on the Citizen's Charter
Anonymous
Management Services v36n4 PP: 18-19 Apr 1992
ISSN: 0307-6768 JRNL CODE: MNS
WORD COUNT: 1505

...TEXT: outlined below:

PRIVATISATION

Privatisation results in a major change to an organisation. The aims and **objectives** , the **structures** and the working practices must be adjusted or rebuilt if privatisation is both to be...

...the benefit of the public.

CONTRACTING OUT

When services are contracted out there must be **sound** specifications of the contracted service and strong performance **controls** on the contractor. Management Services personnel are accustomed to the analysis of such work situations; the drafting of detailed specifications; and the development of **sound measures** to ensure value for money services.

PERFORMANCE RELATED PAY

There are fundamental concepts involved in...

12/3,K/18 (Item 16 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00703942 93-53163
A stealth composite frame for generators
Burd, Brian A; Howie, Ian; Lambert, John M; Tompkins, James E
Mechanical Engineering v115n3 PP: 74-76 Mar 1993
ISSN: 0025-6501 JRNL CODE: MEG
WORD COUNT: 1962

...TEXT: power equipment in various climates and terrains has come under scrutiny due to the high **sound** level of the generators, 85 **decibels** on the "A"' weighted scale (dBA). The Army now requires a full-load operating level...

...replace the tubular aluminum frame with an enclosure or frame specifically designed to simultaneously reduce **sound** **transmission** and provide **structural** integrity. The design **goals** , therefore, were to develop a **structure** that would inhibit **sound** **transmission** by selecting materials that provide **sound** dampening. (All Army generators are scheduled to be modified to a single battlefield fuel within...

12/3,K/19 (Item 17 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00629891 92-44831
Can You Quiet That Machine?
Van Vooren, Peter
Machine Design v64n16 PP: 50-54 Aug 6, 1992
ISSN: 0024-9114 JRNL CODE: MDS
WORD COUNT: 1489

...TEXT: problems can be complex, only one-way coupling is considered here. One-way coupling involves **noise** generated by a structure and **dispersed** into a medium, and is also called a pure-acoustic problem.

DIRECT VS. INDIRECT BEM

BE methods **solve** acoustic field problems outside vibrating **structures** as well as inside them. Sysnoise provides a direct-collocation and an indirect-variational approach...

12/3,K/20 (Item 1 from file: 476)
DIALOG(R)File 476:Financial Times Fulltext

0010570460 ACxxxxxx0196
EUROPE: Germany to spend mobiles cash
HAIG SIMONIAN
The Financial Times, London Edition 2 ED, P 11
Friday, October 13, 2000
DOCUMENT TYPE: NEWSPAPER; Stories LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
Word Count: 245

...the money would be used for by-passes, reducing congestion and cutting fuel consumption, and **noise** **abatement** schemes. But critics argued the measures sat uneasily with the Greens' normally vociferous resistance to any new road building schemes.

Mr...

...year would be spent on new energy sources, with DM400m extra on improving the energy **efficiency** of older **buildings** and cutting carbon dioxide emissions.

The government confirmed the biggest single slice of new cash...

12/3,K/21 (Item 1 from file: 610)
DIALOG(R)File 610:Business Wire

00369179 20000922266B5478 (USE FORMAT 7 FOR FULLTEXT)
Digital Audio Engines Offer a Fast Track to Multichannel Audio Decoding
Business Wire
Friday, September 22, 2000 12:37 EDT
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 1,028

...as multichannel audio decoding, with the ability to add programs for unique features such as **parametric** equalization or **sound** field simulation.
Using 24-bit arithmetic and extended registers to maintain audio headroom, the DSP56362...

...chip's power still available for post processing such as headphone downmixes, speaker equalization, tone **controls** and volume **control** .

Decoding the incoming digital **audio** is only part of the job. An audio system also has to handle essential tasks...

...usual functions, firmware) modules that can implement all the audio processing needed for a complete **audio** system -- for example bass and treble **control** , **parametric** equalization, speaker compensation, soundfield processing and volume control. Currently available "standard" PPP's include Dolby...

...can be hard to keep the final operating volume of the system constant. The software **architecture** provides volume management to **solve** this problem and allows the user to switch decoders and change post processing without having...

12/3,K/22 (Item 1 from file: 613)
DIALOG(R)File 613:PR Newswire

00429515 20001004SFW118 (USE FORMAT 7 FOR FULLTEXT)
Micronas Chipset Enables Playback And Recording of Music Into Digital Mp3 Format
PR Newswire
Wednesday, October 4, 2000 12:21 EDT
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 671

...formats of voice recording.

The chips are based on a RISC (Reduced Instruction Set Computer) **architecture** and a DSP (Digital Signal Processor), enabling **efficient** processing of audio data. The highly integrated ICs feature on-chip high performance stereo A...

...can convert analog signals into digital signals. The D/A-converter reaches a signal-to- **noise** ratio of 95 **dB** and delivers an output of 5 to 15 mW.

Additionally, two DC/DC converters allow...
...The MASF chip features Micronas Perfect Bass (MPB), integrated audio algorithms that guarantee the highest sound quality and automatic volume control . These features make the listener feel like being in a concert hall.
MPB will be...

^ 12/3,K/23 (Item 1 from file: 624)
DIALOG(R)File 624:McGraw-Hill Publications

01013285
The Art and Science of Sound: ARCHITECTS AND ACOUSTICIANS MUST LISTEN TO ONE ANOTHER TO INTEGRATE GOOD DESIGN AND GOOD ACOUSTICS IN PERFORMING ARTS CENTERS.
by William Weathersby Jr.
Architectural Record, Vol. 76, No. 5, Pg 255
May, 1999
JOURNAL CODE: AR
SECTION HEADING: TECHNOLOGY ISSN: 0003-858X
WORD COUNT: 1,344

TEXT:

... of an interior space is one of the most crucial and widely debated aspects of architectural design for the performing0 arts. From musicians and actors to critics and opening-night patrons, ``How does it sound...

...century that are still revered today ``were not designed on the basis of contemporary architectural acoustic criteria ,'' notes Christopher Jaffe of Jaffe Holden Scarbrough Acoustics . ``At best, architects copied the geometries of halls that the musical community considered successful for...
... acoustical consultant. He patented the earliest acoustical tile and opened a laboratory dedicated to the measurement of sound absorption of materials and sound transmission of wall structures. His techniques are still part of the contemporary acoustician's repertoire. The sabin, the unit of measurement of acoustic absorption, is named for him.

In this century, acousticians have continued to research the relationship...

...and overall warmth of sound pleasing to the human ear.''

When steel and poured-concrete construction methods replaced solid masonry at midcentury, the interior surfaces of new performance spaces were often still plaster, but it was mounted over hollow cavities. ``The lack of...

12/3,K/24 (Item 2 from file: 624)
DIALOG(R)File 624:McGraw-Hill Publications

0585741
Now Departing: Airport Noise : Retrofitting buildings to reduce the effects of airport noise isn't just a matter of developing appropriate details. Professionals must be keenly aware of tight budgets, locally ordained bidding procedures, and the sensitivities of affected homeowners. Jet airplanes' longer, low-frequency sound waves can actually set a flimsy building envelope in motion. These frequencies are most difficult to remedy; short waves are deflected. As a rule, the greater the mass of the building, the less noise will infiltrate.
Wendy Talarico
Architectural Record, Pg 32
July, 1994
JOURNAL CODE: AR
SECTION HEADING: THE PROFESSION Acoustics ISSN: 0003-858X
WORD COUNT: 1,874

TEXT:

...by a factor of 10 since much less noise can disturb sleep.

Sealing the paths noise takes

"The best structures for noise abatement are concrete bunkers," says acoustical engineer Julie Wiebusch, a principal at The Greenbusch Group in ...

... it's up to the architect and the acoustical engineer to develop a hierarchy of noise - abatement measures . Orienting the building properly is the first step, Wiebusch says. The North Sea Tac Community...

...gym backs up to the runway, its concrete-masonry bulk shielding the rest of the structure .

It's also important to specify high- performance windows and doors. The latter should be either solid-core wood, or insulated metal or...

12/3,K/25 (Item 3 from file: 624)
DIALOG(R)File 624:McGraw-Hill Publications
(c) 2007 McGraw-Hill Co. Inc. All rts. reserv.

0526367
BG&E JOINS GROUP TO COMMERCIALIZE PROCESS TO CUT TRANSFORMER NOISE
Electric Utility Week, Pg 4
November 1, 1993
JOURNAL CODE: EUW
ISSN: 0046-1695
WORD COUNT: 276

TEXT:

... Electric Utility Week that the technology is expected to cost about 25% less than present noise -control measures , such as the construction of sound walls, which increase transformer heat and cut efficiency .

The additional testing is to involve 25 varied sites, with commercial marketing scheduled in 1995...

12/3,K/26 (Item 1 from file: 634)
DIALOG(R)File 634:San Jose Mercury
(c) 2007 San Jose Mercury News. All rts. reserv.

10610185
NEIGHBORS TO FIGHT MAINTENANCE YARD NEW FOES TAKE ON CALTRAIN PROPOSAL
San Jose Mercury News (SJ) - Wednesday, April 19, 2000
By: JANICE ROMBECK, Mercury News Staff Writer
Edition: Morning Final Section: Local Page: 1B
Word Count: 905

... figure out how to limit future impact on the neighborhood. Caltrain is looking at such measures as constructing sound walls, insulating buildings , performing noisier tests indoors and using smaller engines to move cars within the yard, said Rita...

12/3,K/27 (Item 1 from file: 813)

DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1117884 SFF005
Level One Communications Releases a Family of Industry-First World Standard E1 Quad Transceivers for High-Growth, International Telecom Markets

DATE: June 27, 1997 06:01 EDT WORD COUNT: 609

... order to optimize power, size and device cost for the new international market."

Real World Performance

Level One has designed an innovative, patent-pending line driver architecture for LXT334 and LXT335. Transmit return loss performs at a minimum of 20 dB for high-quality signal transmission in noisy environments. On the receive side, noise immunity performance is an industry-high 15 dB . As a result, LXT334- and LXT335-based systems can be deployed in the noisiest environments...

~~ Non-Patent Literature: Full Text [group 2 or 3]
Dialog files: 16,148,160,275,621,636

File 16:Gale Group PROMT(R) 1990-2007/Mar 21
(c) 2007 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2007/Mar 13
(c)2007 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2007/Mar 21
(c) 2007 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2007/Mar 09
(c) 2007 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2007/Mar 21
(c) 2007 The Gale Group

Set	Items	Description
S1	2504765	NOISE OR NOISY OR SOUND OR SOUNDS OR ACOUSTIC OR ACOUSTICS OR ACOUSTICALLY OR SONIC OR AUDIBLE OR AUDIBLY OR AUDIO OR AUDITORY OR AURAL OR HEARING OR PHONIC OR AURALI?ATION OR HARMONIC OR HARMONICS
S2	2999045	DECIBEL OR DECIBELS OR DB OR PRESSURE()(LEVEL OR LEVELS) OR PARAMETER OR PARAMETERS OR PARAMETRIC OR PARAMETRICS OR METRICS OR CRITERIA OR MEASURE? ? OR MEASUREMENT? ?
S3	6192634	PROPAGATE??? OR DISPERS??? OR TRAMSMIT?? OR TRANSMISSION OR ABATEMENT OR ABATING OR ABATE? ? OR CONTROL??? OR QUIET??? OR QUIETEN??? OR RAY()TRACING OR INSULAT??? OR DAMPEN OR HUSH OR SILENC??? OR ASSUAGE???
S4	9117128	SOLUTION? ? MEDIAT??? OR RESOLUTION? ? OR PERFORMANCE OR PERFORMING OR ACCOMPLISH??? OR ACCOMPLISHMENT OR OBJECTIVE?? OR GOAL OR GOALS OR EFFICIEN?? OR OPTIMIZING OR SOLVE OR SOLVING OR RESOLVE OR RESOLVING
S5	9725098	ROOM OR ROOMS OR BUILDING OR BUILDINGS OR ARCHITECTUR?? OR CONSTRUCTION OR HOUSE? ? OR HOUSING OR STRUCTUR?? OR EDIFICE? ? OR HIGHRISES OR HIGH()RISE? ? OR APARTMENTS
S6	38857	S1(6N)S2
S7	78234	S1(4N)S3
S8	2566	S6(S)S7
S9	395098	S4(8N)S5
S10	60	S8(2S)S9
S11	21	S10 NOT PY>2000
S12	19	RD (unique items)

12/3,K/1 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2007 The Gale Group. All rts. reserv.

09200033 Supplier Number: 77434697 (USE FORMAT 7 FOR FULLTEXT)
CARL MARTIN.
Cleveland, Barry
Electronic Musician, v15, n12, p176
Dec, 1999
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 675

... line of pedals that, much like the old TC pedals, are handmade in Denmark, come housed in rugged metal casings, and sport high- performance components.
The Mettle of the Pedal
The Carl Martin Compressor/Limiter ($249.95) can produce some of the same sounds as the old TC Parametric EQ/Sustainer (less the EQ, of course), but it has far more parameter control and sonic flexibility. In fact, it has more features than any dynamics pedal I am aware of...

12/3,K/2 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2007 The Gale Group. All rts. reserv.

12738045 SUPPLIER NUMBER: 66498948 (USE FORMAT 7 OR 9 FOR FULL TEXT)
SDI Hollow Metal Door Specification Review.
Ebeling, Richard
Doors and Hardware, 64, 10, 28
Oct, 2000
ISSN: 0361-5294 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1680 LINE COUNT: 00143

... construction may be the most economical, if it does not comply with the pass/fall criteria of these performance specifications -- and with sound , insulation or cycle testing -- the product is not acceptable within the standard.
The ASTM standards are...

12/3,K/3 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2007 The Gale Group. All rts. reserv.

12344063 SUPPLIER NUMBER: 58543692 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Trends in cooling towers.
Katzel, Jeanine
Plant Engineering, 54, 1, 38
Jan 31, 2000
ISSN: 0032-082X LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 2819 LINE COUNT: 00240

... a dampening effect on sound. Sound also declines with distance. However, in some cases, additional noise attenuation measures may be desirable.
Noise is typically of greatest concern at night when members of the surrounding community are sleeping...

...of tower fans, preventing the tower from cycling on and off unnecessarily. This relatively inexpensive noise abatement modification can pay for itself quickly through reduced energy costs.
The addition of low noise...

12/3,K/4 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2007 The Gale Group. All rts. reserv.

11917341 SUPPLIER NUMBER: 60301138 (USE FORMAT 7 OR 9 FOR FULL TEXT)
USWA involved in legal disputes with AK and Rocky Mountain Steel.

New Steel, 16, 2, 8
Feb, 2000
ISSN: 1074-1690 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1301 LINE COUNT: 00106

... maker "a special deal" that is "probably illegal" because it provides RMSM with relaxed pollution- **control measures** and sidesteps public- **hearing** requirements, the union says. "The CDPHE has allowed (RMSM) to abuse the system long enough...

12/3,K/5 (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

11789767 SUPPLIER NUMBER: 58576951 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Product Locator.
Appliance Manufacturer, 47, 12, PL-1
Dec, 1999
ISSN: 0003-679X LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 35331 LINE COUNT: 08942

... Windsor Plastic, Inc.
Yeoman Engineering

DIALS AND SCALES

Analogic Corp., Measurement & Control Division (MCD)
Automation **Fastening** Co ., Inc.
Bourns Inc.
Chicago Name Plate Co.
Cosmo Corporation
Decor Products, Inc.
Elmec Products Co...

12/3,K/6 (Item 5 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

10651925 SUPPLIER NUMBER: 21275771 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Heavy-duty noise control. (soundproofing in diesel trucks)(includes related article on decoupled barriers)
Blanner, Michael A.
Machine Design, v70, n19, p90(5)
Oct 22, 1998
ISSN: 0024-9114 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1969 LINE COUNT: 00169

... barrier. Foam, however, with its air-filled cells, provides a good alternative.
Double-wall barrier **construction** acts like a spring-mass system, where spring **performance** is controlled by its stiffness and thickness. The lower the stiffness, the lower the frequency...

...system acts like a single-wall barrier system, with an increasing slope of only 6 **db** /octave.
Noise control experts can determine if the double-wall resonance frequency correlates with a peak frequency in...

12/3,K/7 (Item 6 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

10371693 SUPPLIER NUMBER: 20978681 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Careful design and evaluation required to reduce station noise.
McDaniel, Michael L.; Biker, William E.

Pipe Line & Gas Industry, v81, n7, p23(8)
July, 1998
ISSN: 1079-8765 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 6420 LINE COUNT: 00567

... and the contribution of each source to the total sound level.
To meet a design **goal** , the engine exhausts, engine intakes, compressor **building** (the noise from the engine casings and building ventilation system) and the coolers are each...

...sum of the sound performance levels should equal the sound level goal. The octave band **acoustic** specifications for the **noise control measures** are determined from the equipment octave band source levels, and quotations can be requested and a cost analysis completed.
The **noise control measure acoustic** specifications should include the following:
Exhaust. The required silenced engine exhaust octave band PWLs, along ...

12/3,K/8 (Item 7 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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09699026 SUPPLIER NUMBER: 19680223 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Fee not-so-simple. (tieing profits of design, construction, architectural and engineering firms to customer satisfaction; includes related article on how HLW International decided to meet the quality criteria)
Gregerson, John
Building Design & Construction, v38, n8, p30(3)
August, 1997
ISSN: 0007-3407 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1707 LINE COUNT: 00137

... 14 survey questions covering the following criteria: HVAC, acoustics, odor control, vibration, lighting, fume-hood **performance** , quality of **construction** (finishes), **building** appearance and user-friendliness. Although Batcher will not release the survey for publication, he indicated...

...acceptable performance levels for the measurable criteria, such as acoustics. "The users were concerned about **sound transmission** between labs, Healy said. "So we brought in a soundtest machine and sent them into ...

12/3,K/9 (Item 8 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07241866 SUPPLIER NUMBER: 15146225 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Sound blocks. (concrete masonry's acoustical properties and performance)
Shade, Neil Thompson
Progressive Architecture, v75, n4, p88(5)
April, 1994
ISSN: 0033-0752 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1910 LINE COUNT: 00153

... Noise Control in Buildings, Chapter 5, McGraw Hill, 1993.
Harris, Cyril, M., Handbook of Acoustical **Measurements** and **Noise Control** , Chapter 3 1, McGraw Hill, 1991.
Warnock, A. C. C., "Sound Transmission Through Concrete Blocks...

12/3,K/10 (Item 9 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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06466471 SUPPLIER NUMBER: 13829157 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Compressors: suppliers embrace the challenges and opportunities in new refrigerants and higher efficiency requirements. (includes manufacturers' information file)
Simpson, David
Appliance, v50, n5, p51(5)
May, 1993
ISSN: 0003-6781 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 4620 LINE COUNT: 00381

... minimize noise, even as efficiencies increase. According to F. Giusto, of Electrolux Compressor of Italy, " Sound measurements according to international standards are always made to investigate the quantity and the quality of...

12/3,K/11 (Item 10 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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06117129 SUPPLIER NUMBER: 12618397 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Lower plant noise with lagging: this new ethylene facility used a detailed design analysis to assure compliance with stringent environmental regulation. (Environmental Focus)
Frank, Leslie D.; Dembicki, Dennis R.
Hydrocarbon Processing, v71, n8, p83(3)
August, 1992
ISSN: 0018-8190 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 2607 LINE COUNT: 00219

... with the direction of gas flow.
If the silencer is too close to the compressor, performance drops. This is due to structural vibration propagation down the pipe wall between the compressor and silencer. Installation of acoustical silencers ...silencers used in a process gas stream. One big concern with them is loss of performance due to structural flanking.
Engineering specs. Engineering specifications for inline silencers include:
* Acoustical lagging of piping up to...

12/3,K/12 (Item 11 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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05415495 SUPPLIER NUMBER: 11078912 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Acoustical performance of windows. (Technics Focus: Windows and Doors)
Tocci, Gregory C.
Progressive Architecture, v72, n8, p115(6)
August, 1991
ISSN: 0033-0752 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 4031 LINE COUNT: 00326

... The ability of a material to limit the transmission of sound is quantified using the sound transmission loss (TL), expressed in decibels (dB). The higher the sound transmission loss, the better the material is in limiting the passage of sound . Sound transmission loss is measured in a laboratory in accordance with ASTM E 90 Method for Laboratory Measurement of Airborne- Sound Transmission of Building Partitions. [3] The test involves mounting a material or building wall system in...

...rating, the better the sound isolation performance.
The STC contour was developed to rate the performance of materials and building partition systems with respect to "standard household noise," that is, speech and sound produced by...

12/3,K/13 (Item 12 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

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05130258 SUPPLIER NUMBER: 10555504 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The Armstrong Innovation Center: building on a tradition of solid R & D. (Special Issue: Interior Environments)(Research and Development)(Management and Operations)
Sraeel, Holly
Buildings, v85, n3, p54(3)
March, 1991
ISSN: 0007-3725 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1185 LINE COUNT: 00101

... noise transmission in the workplace.
Stimulating ideas and innovative technologies - not to mention stringent in- house product performance levels that go beyond testing standards - will continue to set a building products manufacturer like...

12/3,K/14 (Item 13 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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05102873 SUPPLIER NUMBER: 10413387 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Sound isolation in floors. (Technics Focus: Flooring)
Foulkes, Timothy J.; Tocci, Gregory C.
Progressive Architecture, v72, n3, p121(4)
March, 1991
ISSN: 0033-0752 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1595 LINE COUNT: 00128

... 411 pp.
Research Project on the Noise Isolation Provided by Floor/Ceiling Assemblies in Wood Construction , MJM Acoustical Consultants; Sound 1Performance of Wood/Floor Ceiling Assemblies, MJM Acoustical Consultants; Canada Mortgage and Housing Corporation, Ottawa, (613...

^ 12/3,K/15 (Item 14 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2007 The Gale Group. All rts. reserv.

03333239 SUPPLIER NUMBER: 06273637 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Guidelines for building noise control enclosures.
Carney, Kenneth E.
Plant Engineering, v41, n23, p68(4)
Dec 17, 1987
ISSN: 0032-082X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1987 LINE COUNT: 00160

... measurement is the sound transmission class (STC), a method of rating the airborne sound transmission performance of a wall or a floor/ceiling structure at different frequencies by means of a single number. The higher the STC, the better the airborne noise control performance of the structure . An STC of 50 or more is considered a good rating.
Analysis of the Problem...must be impervious to airflow. All wall openings must be sealed and caulked if a noise reduction of more than 10 dB is to be attained.
Two primary wall designs are available: single or double layered. Single...

...space between the boards with a sound absorption material improves the NR significantly. Glass fiber insulation can reduce noise as much as 12 dB , depending on the type, thickness, and sound wave frequency. In Table II, the sound transmission loss (in decibels) and the STC of some wood stud wall construction are given; Table III presents sound...

12/3,K/16 (Item 1 from file: 160)

DIALOG(R)File 160:Gale Group PROMT(R)

01633265
McDonnell Douglas UHB Demonstrator Flies with GE Unducted Fan Engine.
AVIATION WEEK & SPACE TECHNOLOGY May 25, 1987 p. 32-341

... were attained. The test program is expected to end in 3/88. Tests will include structural effects, interior and exterior noise, thrust, fuel efficiency , handling, aerodynamics, and aircraft performance and handling. Future tests will extend the flight envelope to...

... will more closely resemble the planned 12/10-blade configuration of the production engine. Interior noise will be measured with progressive levels of sound insulation , from a bare fuselage to full soundproofing. After the completion of the UDF test program...

12/3,K/17 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

04407150 Supplier Number: 55473951 (USE FORMAT 7 FOR FULLTEXT)
System Design Showcase; KCET: Digital Educational Telecommunications Center.
Wenhardt, Darrell
Broadcast Engineering, pNA
July, 1999
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Newsletter; Trade
Word Count: 1959

... Systems evaluated building infrastructure requirements for power, grounding, HVAC, mechanical systems, acoustics and signal distribution.
Acoustics Sound transmission control and control room interior acoustical treatment was critical. All production control, editing and master control rooms were designed to implement full 5.1 surround sound . Not only did room interior noise criteria levels become critical, but sound transmission levels between walls and ceilings became even more important to isolate the additional subwoofer energy. Thus, the design goal for building partition sound transmission ratings ran STC-50 to STC-62. In-room noise criteria requirements ranged from NC-15 to NC-30.
A combination of isolated slab subfloors, floating...

...wall construction, floating ceiling lids and cavity absorption were employed to achieve both good in- room acoustical performance and excellent audio containment between adjacent rooms .
Cable and signal distribution An 18-inch raised-access flooring system was designed as the...

12/3,K/18 (Item 2 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

02771283 Supplier Number: 45623633 (USE FORMAT 7 FOR FULLTEXT)
HIGH-PERFORMANCE PC-CONTROLLED AUDIO TEST SYSTEM FROM THURLBY THANDER INFORMATION
M2 Presswire, pN/A
June 23, 1995
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 480

... facilities for measuring every parameter specified in AES3: the standard document governing professional serial digital audio transmission .
Measurement capabilities include, but are not limited to, jitter and

FFT of jitter, pulse amplitude, eye...

...house synchronisation signal, including NTSC, PAL and SECAM video.
The system features true dual domain **architecture** , with separate high - **performance** hardware for analogue and digital domain signals. This design avoids the need for constant reliance...

12/3,K/19 (Item 3 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

02710491 Supplier Number: 45498075 (USE FORMAT 7 FOR FULLTEXT)
TTI TO LAUNCH AUDIO PRECISION'S SYSTEMS TWO AT AUDIO TECHNOLOGY 95
M2 Presswire, pN/A
April 27, 1995
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 493

... facilities for measuring every parameter specified in AES3: the standard document governing professional serial digital **audio transmission** .
Measurement capabilities include, but are not limited to, jitter and FFT of jitter, pulse amplitude, eye...

...house synchronisation signal, including NTSC, PAL and SECAM video.
The system features true dual domain **architecture** , with separate high - **performance** hardware for analogue and digital domain signals. This design avoids the need for constant reliance...

~~ Non-Patent Literature: Full Text [group 3 or 3]
Dialog file: 20

File 20:Dialog Global Reporter 1997-2007/Mar 22
(c) 2007 Dialog

Set	Items	Description
S1	2665308	NOISE OR NOISY OR SOUND OR SOUNDS OR ACOUSTIC OR ACOUSTICS OR ACOUSTICALLY OR SONIC OR AUDIBLE OR AUDIBLY OR AUDIO OR AUDITORY OR AURAL OR HEARING OR PHONIC OR AURALI?ATION OR HARMONIC OR HARMONICS
S2	2699450	DECIBEL OR DECIBELS OR DB OR PRESSURE()(LEVEL OR LEVELS) OR PARAMETER OR PARAMETERS OR PARAMETRIC OR PARAMETRICS OR METRICS OR CRITERIA OR MEASURE? ? OR MEASUREMENT? ?
S3	5007625	PROPAGATE??? OR DISPERS??? OR TRAMSMIT?? OR TRANSMISSION OR ABATEMENT OR ABATING OR ABATE? ? OR CONTROL??? OR QUIET??? OR QUIETEN??? OR RAY()TRACING OR INSULAT??? OR DAMPEN OR HUSH OR SILENC??? OR ASSUAGE???
S4	8157001	SOLUTION? ? MEDIAT??? OR RESOLUTION? ? OR PERFORMANCE OR PERFORMING OR ACCOMPLISH??? OR ACCOMPLISHMENT OR OBJECTIVE?? OR GOAL OR GOALS OR EFFICIEN?? OR OPTIMIZING OR SOLVE OR SOLVING OR RESOLVE OR RESOLVING
S5	10680619	ROOM OR ROOMS OR BUILDING OR BUILDINGS OR ARCHITECTUR?? OR CONSTRUCTION OR HOUSE? ? OR HOUSING OR STRUCTUR?? OR EDIFICE? ? OR HIGHRISES OR HIGH()RISE? ? OR APARTMENTS
S6	16381	S1(8N)S2
S7	45046	S1(6N)S3
S8	1473	S6(2S)S7
S9	329459	S4(12N)S5
S10	30	S8(2S)S9
S11	9	S10 NOT PY>2000

11/3,K/1
DIALOG(R)File 20:Dialog Global Reporter

14443592 (USE FORMAT 7 OR 9 FOR FULLTEXT)
PRC Sichuan Holds Meeting on Party's Control Over Armed Forces
Report: "Provincial Party Committee Holds Meeting on Party's Control Over Armed Forces"
WORLD NEWS CONNECTION
December 20, 2000
JOURNAL CODE: WWNC LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 1500

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... real terms. Meanwhile, they must enhance their sense of responsibility, pay close attention to the **building** of systems, take earnest steps to **resolve** practical problems, and promote the **building** of defense reserve forces.
In his speech at the meeting, Zhang Zhongwei also urged governments...

11/3,K/2
DIALOG(R)File 20:Dialog Global Reporter

14301736
New house evaluation system aims to aid buyers
YOMIURI SHIMBUN/DAILY YOMIURI
December 19, 2000
JOURNAL CODE: FYOM LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 578

... the quality was explained in ambiguous ways, causing confusion among consumers." The new system's **criteria** cover nine qualities such as strength, **sound** **insulation** and energy conservation. As far as the strength of houses are concerned, Grade 1 is...

...fixed cost of 10,000 yen per case, which is paid by the plaintiff. The **Housing** **Performance** Indicating System, as the new scheme is called, is one of the pillars of the...

11/3,K/3
DIALOG(R)File 20:Dialog Global Reporter

13145343 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Micronas Chipset Enables Playback and Recording of Music Into Digital MP3 Format
PR NEWSWIRE
October 04, 2000
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 660

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... The MASF chip features Micronas Perfect Bass (MPB), integrated audio algorithms that guarantee the highest **sound** quality and automatic volume **control** . These features make the listener feel like being in a concert hall. MPB will be...

^ 11/3,K/4
DIALOG(R)File 20:Dialog Global Reporter

12956609 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Digital Audio Engines Offer a Fast Track to Multichannel Audio Decoding
BUSINESS WIRE
September 22, 2000
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 1028

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... can be hard to keep the final operating volume of the system constant. The software architecture provides volume management to solve this problem and allows the user to switch decoders and change post processing without having...

11/3,K/5
DIALOG(R)File 20:Dialog Global Reporter
(c) 2007 Dialog. All rts. reserv.

12847724 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Property: The Benefits Of Timber And Brick: New Homes
Marsya Lennox Property Correspondent
BIRMINGHAM POST, p50
September 15, 2000
JOURNAL CODE: FBMP LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 474

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... independent Building Research Establishment has also spoken in its favour, reporting: 'If all dwellings had sound insulation as good as that measured in party walls of timber frame dwellings, the problem of noise from neighbours would be...

11/3,K/6
DIALOG(R)File 20:Dialog Global Reporter
(c) 2007 Dialog. All rts. reserv.

10646613 (USE FORMAT 7 OR 9 FOR FULLTEXT)
New Foes Take on Proposed Rail Maintenance Facility in San Jose, Calif.
Janice Rombeck
KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (SAN JOSE MERCURY NEWS - CALIFORNIA)
April 19, 2000
JOURNAL CODE: KSJM LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 914

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... neighborhood. Based on concerns, Caltrain is looking at such measures as constructing sound walls, insulating buildings , performing the noisier tests indoors and using smaller engines to move around cars within the yard...

11/3,K/7
DIALOG(R)File 20:Dialog Global Reporter
(c) 2007 Dialog. All rts. reserv.

09209300 (USE FORMAT 7 OR 9 FOR FULLTEXT)
U.S. TAKES LEGAL ACTION TO BLOCK EUROPE'S NOISY AIRCRAFT BAN
ENVIRONMENT NEWS SERVICE
January 19, 2000
JOURNAL CODE: WENS LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 666

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... are a stop gap measure adopted by the U.S. to avoid implementing more expensive noise and pollution control measures , and that hush kit fitted engines emit more pollutants than newer engines.
The core of the dispute is...

11/3,K/8
DIALOG(R)File 20:Dialog Global Reporter
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03930702 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Critchfield Mechanical Wins Contracting Business Magazine Design/Build Award for Hawaii Project
BUSINESS WIRE
January 06, 1999
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 690

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... This went as far as considerations of the effects of electrical harmonic distortion on the structure and its occupants. The efforts resulted in goal attainment plus a significant energy conservation rebate from Hawaiian Electric Co.
The article details a...

11/3,K/9
DIALOG(R)File 20:Dialog Global Reporter
(c) 2007 Dialog. All rts. reserv.

03793245 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Chinese president's speech to mark 20 years of reform - part one
BBC MONITORING INTERNATIONAL REPORTS
December 18, 1998
JOURNAL CODE: WBMS LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 2559

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... the goal of building a socialist market economic structure, and adopted a host of macroeconomic control measures to promote the rapid and sound (you kuai you hao; probable STC's 0642 1816 0642 1170) economic development. We also...

~~ Non-Patent Literature: Non-Full Text
Dialog files: 2,7,35,256,474,475,583,169,mecheng

File 2:INSPEC 1898-2007/Mar W2
(c) 2007 Institution of Electrical Engineers
File 7:Social SciSearch(R) 1972-2007/Mar W3
(c) 2007 The Thomson Corp
File 35:Dissertation Abs Online 1861-2007/Feb
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(c) 2007 The New York Times
File 475:Wall Street Journal Abs 1973-2007/Mar 22
(c) 2007 The New York Times
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(c) 2002 The Gale Group
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(c) 1999 NILS Publishing Co.
File 6:NTIS 1964-2007/Mar W3
(c) 2007 NTIS, Intl Cpyrght All Rights Res
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(c) 2007 CSA.
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(c) 2007 BLDSC all rts. reserv.
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(c) 2007 MIRA Ltd.
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(c) 1999 Information Handling Services
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(c)2007 Japan Science and Tech Corp(JST)
File 95:TEME-Technology & Management 1989-2007/Mar W3
(c) 2007 FIZ TECHNIK
File 96:FLUIDEX 1972-2006/Aug
(c) 2006 Elsevier B.V.
File 99:Wilson Appl. Sci & Tech Abs 1983-2007/Feb
(c) 2007 The HW Wilson Co.
File 104:AeroBase 1999-2007/Mar
(c) 2007 Contains copyrighted material
File 134:Earthquake Engineering Abstracts 1966-2007/Mar
(c) 2007 CSA.
File 293:Engineered Materials Abstracts 1966-2007/Mar
(c) 2007 CSA.
File 335:Ceramic Abstracts/World Ceramics Abstracts 1966-2007/Mar
(c) 2007 CSA.
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 2006 The Thomson Corp

Set	Items	Description
S1	2703033	NOISE OR NOISY OR SOUND OR SOUNDS OR ACOUSTIC OR ACOUSTICS OR ACOUSTICALLY OR SONIC OR AUDIBLE OR AUDIBLY OR AUDIO OR AUDITORY OR AURAL OR HEARING OR PHONIC OR AURALI?ATION OR HARMONIC OR HARMONICS
S2	12241634	DECIBEL OR DECIBELS OR DB OR PRESSURE()(LEVEL OR LEVELS) OR PARAMETER OR PARAMETERS OR PARAMETRIC OR PARAMETRICS OR METRICS OR CRITERIA OR MEASURE? ? OR MEASUREMENT? ?
S3	10554296	PROPAGATE??? OR DISPERS??? OR TRAMSMIT?? OR TRANSMISSION OR ABATEMENT OR ABATING OR ABATE? ? OR CONTROL??? OR QUIET??? OR QUIETEN??? OR RAY()TRACING OR INSULAT??? OR DAMPEN OR HUSH OR SILENC??? OR ASSUAGE???
S4	10350097	SOLUTION? ? MEDIAT??? OR RESOLUTION? ? OR PERFORMANCE OR PERFORMING OR ACCOMPLISH??? OR ACCOMPLISHMENT OR OBJECTIVE?? OR GOAL OR GOALS OR EFFICIEN?? OR OPTIMIZING OR SOLVE OR SOLVING OR RESOLVE OR RESOLVING
S5	12396164	ROOM OR ROOMS OR BUILDING OR BUILDINGS OR ARCHITECTUR?? OR CONSTRUCTION OR HOUSE? ? OR HOUSING OR STRUCTUR?? OR EDIFICE? ? OR HIGHRISES OR HIGH()RISE? ? OR APARTMENTS
S6	294756	S1(4N)S2
S7	197512	S1(4N)S3
S8	16202	S6(20N)S7
S9	369382	S4(4N)S5
S10	78	S8(12N)S9
S11	48	S10 NOT PY>2000
S12	38	RD (unique items)

12/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2007 Institution of Electrical Engineers. All rts. reserv.

05241428 INSPEC Abstract Number: C9211-3350G-001
Title: Non-linear inferential control of packed-bed reactors

Author(s): Chun-Yu Chen; Chang-Chuen Sun
Author Affiliation: Dept. of Appl. Chem., Chung-Cheng Inst. of Technol., Tashi, Taiwan
Journal: International Journal of Systems Science vol.23, no.7 p. 1063-82
Publication Date: July 1992 Country of Publication: UK
CODEN: IJSYA9 ISSN: 0020-7721
U.S. Copyright Clearance Center Code: 0020-7721/92/$3.00
Language: English
Subfile: C

...Abstract: non-linear and unmeasured output process control problems, and the effects of modelling errors and **measurement noise** on **control system performance** . The basic **structure** of an inferential control system is coupled with a state estimator and a controller consisting...

12/3,K/2 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC

04801284 INSPEC Abstract Number: A91022537
Title: Subjective assessment of indoor noises-basic experiments with artificial sounds
Author(s): Tachibana, H.; Yano, H.; Sonoda, Y.
Author Affiliation: Inst. of Ind. Sci., Tokyo Univ., Japan
Journal: Applied Acoustics vol.31, no.1-3 p.173-84
Publication Date: 1990 Country of Publication: UK
CODEN: AACOBL ISSN: 0003-682X
U.S. Copyright Clearance Center Code: 0003-682X/90/$03.50
Conference Title: International Symposium on Environmental Acoustics: Design and Evaluation of Concert Hall Acoustics
Conference Date: 15-16 May 1989 Conference Location: Kobe, Japan
Language: English
Subfile: A

...Abstract: Stevens, are valid. In addition, it has been found that the arithmetic mean value of **sound pressure levels** in octave bands is also a good measure for loudness estimation of low frequency noises. Regarding the evaluation of **sound insulation efficiency** of **building** walls, various assessment measures were compared and it has been suggested that the arithmetic mean...

12/3,K/3 (Item 3 from file: 2)
DIALOG(R)File 2:INSPEC

04391497 INSPEC Abstract Number: A89076090
Title: An analytical study of a simplified method for measuring airborne sound insulation in dwellings
Author(s): Zhang Xiaoyuan; Wang Jiqing
Author Affiliation: Inst. of Acoust., Tongji Univ., Shanghai, China
Journal: Applied Acoustics vol.26, no.3 p.209-15
Publication Date: 1989 Country of Publication: UK
CODEN: AACOBL ISSN: 0003-682X
U.S. Copyright Clearance Center Code: 0003-682X/89/$03.50
Language: English
Subfile: A

...Abstract: number rating (grade index) is regarded as an approximate approach to the estimation of the **sound insulation performance** of **building** elements in the laboratory as well as in the field. Differences of weighted **sound pressure levels** have been more often considered as quantitative measures in simplified methods for measuring **sound insulation** in buildings. Most of the usual studies on a simplified method have been initiated using...

12/3,K/4 (Item 4 from file: 2)
DIALOG(R)File 2:INSPEC

02782147 INSPEC Abstract Number: A82004661
Title: A proposed single value rating method for sound insulation of a partition
Author(s): Zhao, S.L.; Wang, C.C.
Author Affiliation: Acoustics Res. Lab., Tongji Univ., Shanghai, China
Conference Title: Inter-Noise 80. Noise Control for the 80's. Proceedings of the 1980 International Conference on Noise Control Engineering p. 747-52 vol.2
Editor(s): Maling, G.C., Jr.
Publisher: Noise Control Found, New York, NY, USA
Publication Date: 1980 Country of Publication: USA 2 vol. xxxvi+1194 pp.
ISBN: 0 931784 03 4
Conference Sponsor: Internat. Inst. Noise Control Eng
Conference Date: 8-10 Dec. 1980 Conference Location: Miami, FL, USA
Language: English
Subfile: A

...Abstract: of existing single value ratings, the authors suggest a comprehensive rating method which coordinates the sound insulation performance with the room noise reduction effect, and also point out the way for field measurement of sound insulation by a short and simple test method.

12/3,K/5 (Item 5 from file: 2)
DIALOG(R)File 2:INSPEC

02035250 INSPEC Abstract Number: B77014983, C77008233
Title: Vibration and Noise Control Engineering. (Preprints)
Publisher: Instn. Engrs., Australia, Sydney, NSW, Australia
Publication Date: 1976 Country of Publication: Australia xxii+142 pp.
ISBN: 0 85825 066 7
Conference Sponsor: Instn. Engrs., Australia
Conference Date: 11-12 Oct. 1976 Conference Location: Sydney, NSW, Australia
Language: English
Subfile: B C

...Abstract: tactile signal; machine sound and vibration diagnosis by cepstrum analysis; air conditioning duct liner attenuation performance ; accelerometers; reverberant room calibration; transmission loss measurement ; building hydraulic noise attenuation; pneumatic motor noise; followed by continuous ambient noise level monitoring methods.

12/3,K/6 (Item 6 from file: 2)
DIALOG(R)File 2:INSPEC

01913228 INSPEC Abstract Number: A76047386
Title: The measurement of sound radiation from room surfaces in lightweight buildings
Author(s): Macadam, J.A.
Author Affiliation: Building Res. Establ. Dept. of the Environment, Garston, UK
Journal: Applied Acoustics vol.9, no.2 p.103-18
Publication Date: April 1976 Country of Publication: UK
CODEN: AACOBL ISSN: 0003-682X
Language: English
Subfile: A

Abstract: When investigating the transmission of sound within a building it is useful to measure the sound powers being radiated by

individual room surfaces. This is normally accomplished using the 'accelerometer method'. This method is shown to be unsuitable for use in lightweight...

12/3,K/7 (Item 1 from file: 7)
DIALOG(R)File 7:Social SciSearch(R)

02743866 Genuine Article#: QV648 No. References: 29
Title: PHYSIOLOGICAL AND PSYCHOLOGICAL RESPONSES TO LIGHT FLOOR-IMPACT SOUNDS GENERATED BY A TAPPING MACHINE IN A WOODEN HOUSE
Author(s): SUEYOSHI S; MIYAZAKI Y
Corporate Source: FORESTRY & FOREST PROD RES INST,POB 16/IBARAKI/OSAKA 305/JAPAN/
Journal: MOKUZAI GAKKAISHI, 1995, V41, N3, P293-300
ISSN: 0021-4795
Language: ENGLISH Document Type: ARTICLE
(Abstract Available)

...Abstract: men to light floor-impact sounds of 54, 63, 74, and 78 dBA (A-weighted sound pressure levels) generated by a tapping machine, we investigated the sound insulation performance of a wooden house in terms of comfort in a dwelling environment. Control experiments were conducted similarly without generating...

12/3,K/8 (Item 1 from file: 6)
DIALOG(R)File 6:NTIS

1480281 NTIS Accession Number: PB90-128976
Ljudlaeckage via Springor och Taetlister (Airborne Sound Insulation of Slits, Joints and Sealing Stripes)
Bodlund, K. ; Carlsson, C. A.
Statens Provningsanstalt, Boras (Sweden). Acoustics Lab.
Corp. Source Codes: 100858004
Report No.: SP-RAPP-1989:28; ISBN-91-7848-179-1
1989 88p
Languages: Swedish
Journal Announcement: GRAI9006
Text in Swedish; summary in English.
Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.
NTIS Prices: PC A05/MF A01

Descriptors: *Acoustic insulation ; *Joints(Junctions); *Slitting; *Sealing; * Noise reduction; Performance tests; Construction materials ; Buildings ; Acoustic measurement ; Graphs(Char ts)

12/3,K/9 (Item 2 from file: 6)
DIALOG(R)File 6:NTIS

1445887 NTIS Accession Number: PB89-193866
Acoustical Technique for Evaluation of Thermal Insulation
Flynn, D. R. ; Evans, D. J. ; Bartel, T. W.
National Inst. of Standards and Technology (NEL), Gaithersburg, MD. Center for Mfg. Engineering.
Corp. Source Codes: 092731003
Sponsor: Department of Energy, Washington, DC. Building Systems Div.; Mineral Insulation Mfrs. Association, Alexandria, VA.
Report No.: NISTIR-88/3882
Apr 89 47p
Languages: English
Journal Announcement: GRAI8916

Sponsored by Department of Energy, Washington, DC. Building Systems Div., and Mineral Insulation Mfrs. Association, Alexandria, VA.
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NTIS Prices: PC A03/MF A01

Descriptors: *Thermal insulation ; * Acoustic measurement ; Thermal resistance; Sound transmission ; Heat transfer; Evaluation; Cellulose; Houses ; Thermal efficiency

12/3,K/10 (Item 3 from file: 6)
DIALOG(R)File 6:NTIS

1129418 NTIS Accession Number: PB84-225150
Acoustical System Performance for Office Space (Test Methods and Guides)
Geiger and Hamme, Inc., Ann Arbor, MI.
Corp. Source Codes: 081451000
Sponsor: General Services Administration, Washington, DC.
Apr 80 562p
Languages: English
Journal Announcement: GRAI8422
Portions of this document are not fully legible.
Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.
NTIS Prices: PC A24

Descriptors: *Office buildings; * Acoustic measurement ; Ceilings(Architecture); Specifications; Guidelines; Performance ; Materials; Noise reduction; Sound transmission

12/3,K/11 (Item 4 from file: 6)
DIALOG(R)File 6:NTIS

1013870 NTIS Accession Number: N83-15042/5
Design and Test of Aircraft Engine Isolators for Reduced Interior Noise (Final Report)
Unruh, J. F. ; Scheidt, D. C.
Southwest Research Inst., San Antonio, TX.
Corp. Source Codes: 014411000; ST197060
Sponsor: National Aeronautics and Space Administration, Washington, DC.
Report No.: NAS 1.26:166021; SRI-06-4860; NASA-CR-166021
Dec 82 118p
Languages: English
Journal Announcement: GRAI8310; STAR2105
Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.
NTIS Prices: PC A06/MF A01

Improved engine vibration isolation was proposed to be the most weight and cost efficient retrofit structure -borne noise control measure for single engine general aviation aircraft. A study was carried out the objectives: (1) to...

12/3,K/12 (Item 5 from file: 6)
DIALOG(R)File 6:NTIS

0975657 NTIS Accession Number: PB82-243809/XAB

Commercialization of a Pulse Combustion Furnace with Ultrahigh Efficiency
(Final annual rept. Jan-Dec 80)
Belles, F. E. ; Griffiths, J. C.
American Gas Association Labs., Cleveland, OH.
Corp. Source Codes: 069098000
Sponsor: Gas Research Inst., Chicago, IL.
Report No.: GRI-80/0131
Feb 82 79p
Languages: English
Journal Announcement: GRAI8221
See also PB81-123481.
Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.
NTIS Prices: PC A05/MF A01

Descriptors: *Gas furnaces; *Combustion chambers; Gas burners; Combustion control ; Acoustic measurement ; Combustion efficiency ; Noise reduction; Residential buildings

12/3,K/13 (Item 6 from file: 6)
DIALOG(R)File 6:NTIS

0851557 NTIS Accession Number: PB80-227499/XAB
Field Measurements of the Sound Insulation of Heavy Solid Concrete Party Walls
(Current papers)
Sewell, E. C. ; Alphey, R. S.
Building Research Station, Watford (England).
Corp. Source Codes: 004796000
Report No.: CP-43/77
c1977 12p
Languages: English
Journal Announcement: GRAI8026
Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.
NTIS Prices: PC E02/MF E02

Descriptors: *Buildings; *Walls; * Acoustic insulation ; Concrete construction ; Acoustic measurements ; Performance standards; Building codes; Noise pollution

12/3,K/14 (Item 7 from file: 6)
DIALOG(R)File 6:NTIS

0249340 NTIS Accession Number: COM-71-00046/XAB
Building Research at the National Bureau of Standards
(Building Science Series)
Achenbach, P. R.
National Bureau of Standards, Washington, D.C. Building Research Div.
Report No.: BSS-0
Oct 70 64p
Journal Announcement: USGRDR7102
Paper copy available from Superintendent of Documents, GPO, Washington, D.C. 20402. $0.60 as C13.29/2:0.
Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.
NTIS Prices: MF A01

...in laboratory evaluation of the effects of weather on deterioration of

building materials; and in measurement of the heat and sound transmission properties of building materials and constructions. The central and continuing objectives of the building research program are shown to be the development of new technical information and new measurement...

12/3,K/15 (Item 8 from file: 6)
DIALOG(R)File 6:NTIS

0085306 NTIS Accession Number: AD-608 876/XAB
Study of Airborne Noise from Shipboard Machinery
(Final technical rept. for 20 Jun 63-19 Jun 64)
Sparks, C. R. ; McCoy, R. A. ; Wachel, J. C.
Southwest Research Inst San Antonio Tex
Corp. Source Codes: 888888888
19 Jun 64 2p
Journal Announcement: USGRDR6501
Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.
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NTIS Prices: PC A02

Descriptors: *SHIP NOISE ; MACHINES; NOISE ; MEASUREMENT ; ENVIRONMENTAL TESTS; AIRBORNE; ACOUSTIC INSULATION ; VIBRATION ISOLATORS ; SOUND TRANSMISSION ; SOUND ; ADSORPTION; NAVAL VESSELS (COMBATANT); PERFORMANCE (HUMAN); NAVAL PERSONNEL; SHIP STRUCTURAL COMPONENTS

12/3,K/16 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

07612656 E.I. No: EIP97023512630
Title: Investigation of an open screen acoustic performance
Author: Lyons, R.; Gibbs, B.M.
Corporate Source: Loughborough Univ, Loughborough, Engl
Source: Applied Acoustics v 49 n 3 Nov 1996. p 263-282
Publication Year: 1996
CODEN: AACOBL ISSN: 0003-682X
Language: English

Descriptors: *Sound insulation ; Acoustic wave absorption; Architectural acoustics ; Buildings ; Standards; Acoustic variables measurement ; Performance ; Numerical methods; Acoustic equipment

12/3,K/17 (Item 2 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

06358589 E.I. Monthly No: EI9201001582
Title: On acoustic performance of measuring structure for cavitation noise.
Author: Wu, Jian-hua; Chai, Gong-chun; Wang, He-sheng
Corporate Source: Nanjing Hydraulic Research Inst, Nanjing, China
Source: Journal of Hydrodynamics v 3 n 2 1991 p 42-50
Publication Year: 1991
CODEN: JOUHEI ISSN: 1001-6058
Language: English

Abstract: The acoustic performance of the structure for measuring cavitation noise is theoretically analysed, and two judging criteria of the acoustic performance of STW (sound transmission window) are presented in this paper. One is of impedance matching between working

liquid and...

12/3,K/18 (Item 3 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

05787590 E.I. Monthly No: EI8909083573
Title: Norme UNI in materia di acustica nell'edilizia.
Title: UNI standards for acoustics in buildings.
Author: Cocchi, Alessandro; Garai, Massimo
Corporate Source: Univ di Bologna, Bologna, Italy
Source: Termotecnica (Milan) v 43 n 2 Feb 1989 p 59-63
Publication Year: 1989
CODEN: TERMAK ISSN: 0040-3725
Language: Italian

...Abstract: acoustics are summed up, namely those dealing with expression of physical and suggestive values of sound and noise, normal measurement frequencies, relations between sound pressure levels of narrow noise bands, measurement of acoustic insulation in buildings, measurement of noise insulating capacity of structural component, measurement of acoustic insulation by air, measurement of acoustic insulation of linings, evaluation of acoustic performance of buildings and building components, measurement of insulation to impact noise . In Italian.

12/3,K/19 (Item 4 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

05750304 E.I. Monthly No: EI8906048316
Title: Structure-borne noise control for propeller aircraft.
Author: Unruh, James F.
Corporate Source: Southwest Research Inst, San Antonio, TX, USA
Source: Journal of Aircraft v 25 n 8 Aug 1988 p 752-757
Publication Year: 1988
CODEN: JAIRAM ISSN: 0021-8669
Language: English

...Abstract: the propeller wake. However, highly damped, tuned mechanical absorbers were found to be the most efficient structure -borne noise control measure . (Author abstract) 8 Refs.

12/3,K/20 (Item 5 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

04901206 E.I. Monthly No: EIM8510-064142
Title: EXPERIMENTAL ON ROAD TRAFFIC NOISE MEASUREMENT.
Author: Poerwohadikoesoemo, Poernomosidhi
Corporate Source: Indonesian Road Research Inst, Transportation & Traffic Engineering Lab, Indones
Conference Title: Fourth Conference of the Road Engineering Association of Asia and Australasia. (Volume 5: Additional Papers and Conference Results.)
Conference Location: Jakarta, Indones Conference Date: 19830822
E.I. Conference No.: 06097
Source: Available from Road Engineering Assoc of Asia & Australasia, Kuala Lumpur, Malays p 245-258
Publication Year: 1983
Language: English

...Abstract: of road traffic noise was begun. The first year's program developed a procedure to measure traffic noise resulting in measurement analysis and identification of the acoustic performance of some building materials used for noise control . This paper presents

the result of a preliminary study, including measurement procedures, results of measurements...

12/3,K/21 (Item 6 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

04666029 E.I. Monthly No: EIM8407-053152
Title: SIMPLIFIED FIELD METHOD OF MEASURING THE AGGREGATE ADVERSE DEVIATION OF A PARTITION.
Author: Lee, L. J.; MacKenzie, R. K.
Corporate Source: Univ of Cambridge, Dep of Architecture, Cambridge, Engl
Conference Title: Proceedings - 1983 International Conference on Noise Control Engineering, Inter-noise 83, Noise Control: The International Scene.
Conference Location: Edinburgh, Scotl Conference Date: 19830713
E.I. Conference No.: 04318
Source: Proceedings - International Conference on Noise Control Engineering 1983 v 2. Publ by Inst of Acoustics, Edinburgh, Scot p 559-562
Publication Year: 1983
CODEN: PICEDA ISBN: 0-946731-02-0
Language: English

Identifiers: SOUND INSULATION MEASUREMENT ; BUILDING CODE ENFORCEMENT; HOUSING STOCK IMPROVEMENT; PARTITION PERFORMANCE RATES; BRITISH BUILDING REGULATIONS; PARTY WALL DEVIATION PREDICTION; NOISE SOURCE GENERATION; OVERALL SOUND LEVEL MEASUREMENT; RECEIVING ROOM; REVERBERATION...

12/3,K/22 (Item 7 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

04666017 E.I. Monthly No: EIM8407-053140
Title: ESTIMATION OF RADIATED NOISE USING STRUCTURAL RESPONSE METHODS.
Author: Cuschieri, J.
Corporate Source: Univ of Southampton, Inst of Sound & Vibration Research, Southampton, Engl
Conference Title: Proceedings - 1983 International Conference on Noise Control Engineering, Inter-noise 83, Noise Control: The International Scene.
Conference Location: Edinburgh, Scotl Conference Date: 19830713
E.I. Conference No.: 04318
Source: Proceedings - International Conference on Noise Control Engineering 1983 v 1. Publ by Inst of Acoustics, Edinburgh, Scotl p 507-510
Publication Year: 1983
CODEN: PICEDA ISBN: 0-946731-01-2
Language: English

Identifiers: INPUT/OUTPUT ENERGIES; IMPACT SITUATIONS; NOISE ENERGY RADIATION; STRUCTURE PARAMETER EXPRESSIONS; STRUCTURE RADIATION EFFICIENCY ; STRUCTURAL LOSS FACTORS; FORCE PULSE SHAPING; IMPACT POINT; NOISE CONTROL ; STRUCTURAL DAMPING; ENERGY ESCAPE

12/3,K/23 (Item 8 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

04552744 E.I. Monthly No: EI8408073757 E.I. Yearly No: EI84003400
Title: SPECIFICATION, DESIGN, AND TEST OF AIRCRAFT ENGINE ISOLATORS FOR REDUCED INTERIOR NOISE.
Author: Unruh, J. F.
Corporate Source: Southwest Research Inst, Dep of Engineering Mechanics, San Antonio, Tex, USA
Source: Journal of Aircraft v 21 n 6 Jun 1984 p 389-396
Publication Year: 1984

CODEN: JAIRAM ISSN: 0021-8669
Language: ENGLISH

Abstract: Improved engine vibration isolation was proposed to be the most weight and cost efficient retrofit structure -borne noise control measure for single-engine general aviation aircraft. A study was carried out with three objectives: 1...

12/3,K/24 (Item 9 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

04193726 E.I. Monthly No: EI8209083308 E.I. Yearly No: EI82097530
Title: AIRBORNE SOUND INSULATION AND GRAPHICAL INDICES.
Author: Parmanen, J.; Tuominen, H. T.
Corporate Source: Tech Res Cent of Finl, Espoo
Source: Journal of Sound and Vibration v 82 n 2 May 22 1982 p 235-245
Publication Year: 1982
CODEN: JSVIAG ISSN: 0022-460X
Language: ENGLISH

Abstract: The use of graphical indices is interpreted as an approximate approach to the estimation of sound insulation performance of building elements. Differences of weighted sound pressure levels are considered as quantitative measures for subjective sound insulation . The indices considered are formed by shifting a reference curve until the highest position is...

12/3,K/25 (Item 10 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

03293097 E.I. Monthly No: EI7303013291 E.I. Yearly No: EI73027320
Title: ORIGINS OF RECIPROCATING ENGINE NOISE -- ITS CHARACTERISTICS, PREDICTION AND CONTROL.
Author: Lalor, N.
Corporate Source: The University, Southampton, Engl
Source: Journal of the Society of Environmental Engineers n 55 Dec 1972 6 p between p 12 and 21
Publication Year: 1972
CODEN: JSEEBM ISSN: 0374-356X
Language: ENGLISH

Abstract: Mechanisms of noise generation, the exciting forces, engine structural response, acoustic radiation efficiency , effect of operating and design parameters on overall noise level, and noise control measures were studied. Design for low noise in-line engine is described. 9 refs.

12/3,K/26 (Item 1 from file: 14)
DIALOG(R)File 14:Mechanical and Transport Engineer Abstract

0000565984 IP ACCESSION NO: 200609-53-074142
Analysis and application of minimum variance discrete linear system identification

Kaufman, H

IEEE Transactions on Automatic Control, v 22, n 5, p 807-815, Oct. 1977
PUBLICATION DATE: 1977

PUBLISHER: Institute of Electrical and Electronics Engineers, Inc., 445Hoes Ln, Piscataway, NJ, 08854-1331
COUNTRY OF PUBLICATION: UK
PUBLISHER URL: http://iee.org.uk

PUBLISHER EMAIL: inspec@ieee.org

DOCUMENT TYPE: Journal Article
RECORD TYPE: Abstract
LANGUAGE: English
ISSN: 0018-9286
FILE SEGMENT: Mechanical & Transportation Engineering Abstracts
DESCRIPTORS: Covariance; Variance; On-line systems; Accuracy; Vectors (mathematics); Computational efficiency ; Errors; Formulations; Construction ; Additives; Mathematical analysis; Parameter identification ; Parameter estimation; Linear systems; Noise ; Algorithms; Automatic control

12/3,K/27 (Item 2 from file: 14)
DIALOG(R)File 14:Mechanical and Transport Engineer Abstract

0000213849 IP ACCESSION NO: 2001-43-001382
A mathematical model for calculating the acoustic power radiated.

Fraser, A J; Swindell, R J
Br. Maritime Technol. Ltd., Mar. Struct. and Offshore Div., Wallsend Res. Stn., Wallsend, Tyne and Wear NE28 6UY, UK
PUBLICATION DATE: 1988

CONFERENCE:
NOISE CONTROL ENG. J., 1988, vol. 31, no. 1, p. 79

DOCUMENT TYPE: Conference Paper
RECORD TYPE: Abstract
LANGUAGE: English
FILE SEGMENT: Mechanical & Transportation Engineering Abstracts

DESCRIPTORS: Mathematical models; Radiation; Efficiency ; Finite element method; Hulls (structures); Acoustics; Accuracy; Ships; Acoustic noise ; Noise control ; Specifications; Noise ; Energy use; Design engineering; Noise levels; Machinery; Marine engineering; Acoustic variables control ; Acoustic measurements

12/3,K/28 (Item 3 from file: 14)
DIALOG(R)File 14:Mechanical and Transport Engineer Abstract

0000164081 IP ACCESSION NO: 200212-11-001461
Adhesive bonded noise suppression structures for commercial and military aircraft

RIEL, F J; ROSE, P M
Rohr Industries, Inc., Chula Vista, CA [RIEL, ROSE]

SAMPE Quarterly (0036-0821), v 16, p 45-50, Oct. 1984
PUBLICATION DATE: 1984

CONFERENCE:
, United States

DOCUMENT TYPE: Journal Article
RECORD TYPE: Abstract
LANGUAGE: English
ISSN: 0036-0821
FILE SEGMENT: Mechanical & Transportation Engineering Abstracts

DESCRIPTORS: Noise; Acoustics; Adhesive bonding; Commercial aircraft; Acoustic noise; Military aircraft; Bonding; Emissions; Efficiency ; Sandwich construction ; Quality control ; Process parameters ; * Acoustic attenuation; *Aircraft noise ; *Aircraft structures; *Noise reduction; Fabrics; Linings; Nacelles; Sandwich structures

12/3,K/29 (Item 4 from file: 14)
DIALOG(R)File 14:Mechanical and Transport Engineer Abstract

0000135357 IP ACCESSION NO: 200212-12-008877
Design and test of aircraft engine isolators for reduced interior noise [Final Report]

UNRUH, J F; SCHEIDT, D C
PUBLICATION DATE: 1982

RECORD TYPE: Abstract
LANGUAGE: English
REPORT NO: NASA-CR-166021; NAS 1.26:166021; SRI-06-4860
FILE SEGMENT: Mechanical & Transportation Engineering Abstracts

ABSTRACT:
Improved engine vibration isolation was proposed to be the most weight and cost efficient retrofit structure -borne noise control measure for single engine general aviation aircraft. A study was carried out the objectives: (1) to...

12/3,K/30 (Item 1 from file: 57)
DIALOG(R)File 57:Electronics & Communications Abstracts

0000018852 IP ACCESSION NO: 0182267
Field Measurements of the Sound Insulation of Floors With Floating Screens and Hollow Precast Bases.

Sewell, E C; Alphey, R S; Savage, J E
Address not stated

ADDL. SOURCE INFO: BUILD. RES. STA., GARSTON WATFORD WD2 7JR, U.K. , 1981
PUBLICATION DATE: 1981

PUBLISHER: BUILD. RES. STA., GARSTON WATFORD WD2 7JR, U.K.

RECORD TYPE: Abstract
LANGUAGE: English
FILE SEGMENT: Electronics & Communications Abstracts

DESCRIPTORS: **Measurement ; Noise ; Insulation ; Performance ; Architecture**

12/3,K/31 (Item 1 from file: 92)
DIALOG(R)File 92:IHS Intl.Stds.& Specs.

00419806
Sound Level Meters (Apparatus for the Objective Measurement of Room Noise) - Telephone Transmission Quality (Study Group XII) 1 pp
DOCUMENT NUMBER: RECMN P.54
ISSUING ORGANIZATION: ITU-T - International Telecommunication Union/ ITU Telcommunication Standardization Sector
DOCUMENT TYPE: Switzerland, Swiss Confederation;Europe (EC & EFTA Countries);International
YEAR: 1989 00001 PAGES LANGUAGE: ENGLISH

Sound Level Meters (Apparatus for the Objective Measurement of Room Noise) - Telephone Transmission Quality (Study Group XII) 1 pp

^ 12/3,K/32 (Item 1 from file: 94)
DIALOG(R)File 94:JICST-EPlus

04435929 JICST ACCESSION NUMBER: 00A0051723 FILE SEGMENT: JICST-E
Study on Comparison Between Predicted and Measured Values of Sound Insulation Performance on Multiple-dwelling Buildings .
OWAKI MASANAO (1); ZAIMA TAKEFUMI (1); MIYAZAKI HIROSHI (1); YAMASHITA YASUHIRO (2)
(1) Kumagai Gumi Co., Ltd., Inst. of Constr. Technol.; (2) Shinshu Univ., Fac. of Eng.
Kumagaigumi Gijutsu Kenkyu Hokoku(Kumagai Technical Research Report), 1999, NO.58, PAGE.19-25, FIG.15, TBL.5, REF.11
JOURNAL NUMBER: G0988ABO ISSN NO: 0919-8687
UNIVERSAL DECIMAL CLASSIFICATION: 728 699.844
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Commentary
MEDIA TYPE: Printed Publication

Study on Comparison Between Predicted and Measured Values of Sound Insulation Performance on Multiple-dwelling Buildings .

12/3,K/33 (Item 2 from file: 94)
DIALOG(R)File 94:JICST-EPlus

03900429 JICST ACCESSION NUMBER: 99A0089426 FILE SEGMENT: JICST-E
Active Minimization of Interior Noise in a Enclosure Using Piezoelectric Actuator.
SHI K (1); RAO Z (1); HAGIWARA I (1)
Nippon Kikai Gakkai Sekkei Kogaku, Shisutemu Bumon Koenkai Koen Ronbunshu, 1998, VOL.8th, PAGE.364-367, FIG.4, REF.5
JOURNAL NUMBER: L1283AAD
UNIVERSAL DECIMAL CLASSIFICATION: 629.33.017.2
LANGUAGE: English COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Conference Proceeding
ARTICLE TYPE: Short Communication
MEDIA TYPE: Printed Publication

...ABSTRACT: coupling method is used to establish the governing motion equations of the fully coupled acoustics- structure -piezoelectric patch system. The performance function related to optimal control of sound pressure level (SPL) is applied to obtain the control laws. Numerical investigations into the effect of different...

12/3,K/34 (Item 3 from file: 94)
DIALOG(R)File 94:JICST-EPlus

03510215 JICST ACCESSION NUMBER: 98A0108933 FILE SEGMENT: JICST-E
Measurement and Control of Sound of Music. Objective Measures and Room Acoustical Design.
NAGATA MINORU (1)
(1) Nagata Acoustics Inc.
Keisoku to Seigyo(Journal of the Society of Instrument and Control Engineers), 1997, VOL.36,NO.12, PAGE.846-852, FIG.11, TBL.1, REF.8
JOURNAL NUMBER: F0131AAO ISSN NO: 0453-4662 CODEN: KESEA
UNIVERSAL DECIMAL CLASSIFICATION: 534.3 534.83/.84
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Commentary
MEDIA TYPE: Printed Publication

Measurement and Control of Sound of Music. Objective Measures and Room Acoustical Design.

12/3,K/35 (Item 4 from file: 94)

DIALOG(R)File 94:JICST-EPlus

02499711 JICST ACCESSION NUMBER: 96A0594629 FILE SEGMENT: PreJICST-E
Evaluation of Sound Insulation Performance for Wooden House . (1). Measurement of Sound Transmission Loss at every Building Element.
IINUMA YOSHINORI (1); ISHII MAKOTO (1); HIRAMA AKIMITSU (1); SATO YOSHIAKI (1); HASEGAWA MASARU (1)
(1) Hokkaido For. Prod. Res. Inst.
Nippon Kenchiku Gakkai Hokkaido Shibu Kenkyu Hokokushu, 1996, NO.69, PAGE.337-340
JOURNAL NUMBER: L0780AAY
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Conference Proceeding
MEDIA TYPE: Printed Publication

Evaluation of Sound Insulation Performance for Wooden House . (1). Measurement of Sound Transmission Loss at every Building Element.

12/3,K/36 (Item 5 from file: 94)
DIALOG(R)File 94:JICST-EPlus
(c)2007 Japan Science and Tech Corp(JST). All rts. reserv.

02370504 JICST ACCESSION NUMBER: 95A0277621 FILE SEGMENT: JICST-E
Special issue : Sound - from noise to control and creation of sound. Noise reduction measures for detached houses.
KOJIMA YUKIO (1)
(1) Sekisuihausu giken
Kenchiku to Shakai(Architecture & Society), 1995, VOL.76,NO.2, PAGE.36-39, FIG.11, TBL.2, REF.6
JOURNAL NUMBER: F0181AAX ISSN NO: 0912-8182
UNIVERSAL DECIMAL CLASSIFICATION: 699.844
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Commentary
MEDIA TYPE: Printed Publication

...ABSTRACT: dwelling. Detailed check points of construction methods and execution of work are described. Factors of noise and noise reduction measures practically taken are also described with explanations of sound insulation efficiency of an AV room , heavyweight impact sound insulation efficiency of an apartment house , and reduction of noise of drainage system.

12/3,K/37 (Item 6 from file: 94)
DIALOG(R)File 94:JICST-EPlus
(c)2007 Japan Science and Tech Corp(JST). All rts. reserv.

01160540 JICST ACCESSION NUMBER: 91A0176867 FILE SEGMENT: JICST-E
Study on the short time measurement of sound insulation in building. Investigation on the short time measurement correspond to usual single number index.
MURAISHI YOSHIKAZU (1); HAMADA YUKIO (1); OKAWA HEIICHIRO (1)
(1) Taisei Corp., Technical Res. Inst.
Taisei Kensetsu Gijutsu Kenkyu Shoho(Taisei Technical Research Report), 1990, NO.23, PAGE.207-214, FIG.11, TBL.4, REF.4
JOURNAL NUMBER: G0744AAB ISSN NO: 0387-2254
UNIVERSAL DECIMAL CLASSIFICATION: 699.844
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

...ABSTRACT: also to the space characteristics and construction precision, So, it is necessary to establish the measurements of the sound insulation efficiency when the building construction are completed. It takes thirty minutes to obtain the measurement results of sound

insulation by using the ordinary method of sound insulation measurement . It is hard to represent the sound insulation efficiency and to guarantee the sufficient performance in building, therefore it is necessary to establish the short time measurement of sound insulation in building. As the first step, for deriving single number index of sound insulation in short time, the correlation between sound pressure level difference which calculated from mathematical investigation and usual single number index were examined. As a...

12/3,K/38 (Item 7 from file: 94)
DIALOG(R)File 94:JICST-EPlus
(c)2007 Japan Science and Tech Corp(JST). All rts. reserv.

00487095 JICST ACCESSION NUMBER: 87A0481741 FILE SEGMENT: JICST-E
Sound insulation in building. 4. Measurement of sound insulation performance in building .
OKAWA HEIICHIRO (1); KOYASU MASARU (2)
(1) Taisei Corp.; (2) Onkyokogakuken
Seko(Architectural Product-Engineering), 1987, NO.262, PAGE.55-60, FIG.5, TBL.6
JOURNAL NUMBER: S0135BAW ISSN NO: 0389-1879
UNIVERSAL DECIMAL CLASSIFICATION: 699.844
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Commentary
MEDIA TYPE: Printed Publication

Sound insulation in building. 4. Measurement of sound insulation performance in building .

~~ Patent Literature:
Dialog files: 347,348,349,350

File 347:JAPIO Dec 1976-2006/Nov(Updated 070228)
(c) 2007 JPO & JAPIO
File 348:EUROPEAN PATENTS 1978-2007/ 200708
(c) 2007 European Patent Office
File 349:PCT FULLTEXT 1979-2007/UB=20070315UT=20070308
(c) 2007 WIPO/Thomson
File 350:Derwent WPIX 1963-2006/UD=200719
(c) 2007 The Thomson Corporation

Set	Items	Description
S1	1311888	NOISE OR NOISY OR SOUND OR SOUNDS OR ACOUSTIC OR ACOUSTICS OR ACOUSTICALLY OR SONIC OR AUDIBLE OR AUDIBLY OR AUDIO OR AUDITORY OR AURAL OR HEARING OR PHONIC OR AURALI?ATION OR HARMONIC OR HARMONICS
S2	2642721	DECIBEL OR DECIBELS OR DB OR PRESSURE()(LEVEL OR LEVELS) OR PARAMETER OR PARAMETERS OR PARAMETRIC OR PARAMETRICS OR METRICS OR CRITERIA OR MEASURE? ? OR MEASUREMENT? ?
S3	8508523	PROPAGATE??? OR DISPERS??? OR TRAMSMIT?? OR TRANSMISSION OR ABATEMENT OR ABATING OR ABATE? ? OR CONTROL??? OR QUIET??? OR QUIETEN??? OR RAY()TRACING OR INSULAT??? OR DAMPEN OR HUSH OR SILENC??? OR ASSUAGE???
S4	3999726	SOLUTION? ? MEDIAT??? OR RESOLUTION? ? OR PERFORMANCE OR PERFORMING OR ACCOMPLISH??? OR ACCOMPLISHMENT OR OBJECTIVE?? OR GOAL OR GOALS OR EFFICIEN?? OR OPTIMIZING OR SOLVE OR SOLVING OR RESOLVE OR RESOLVING
S5	5811889	ROOM OR ROOMS OR BUILDING OR BUILDINGS OR ARCHITECTUR?? OR CONSTRUCTION OR HOUSE? ? OR HOUSING OR STRUCTUR?? OR EDIFICE?? OR HIGHRISES OR HIGH()RISE? ? OR APARTMENTS
S6	78777	S1(8N)S2
S7	233264	S1(8N)S3
S8	11028	S6(60N)S7
S9	366886	S4(20N)S5

S10 108 S8(60N)S9
S11 7 S10 AND IC=(G06F OR G06Q)

11/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO

08544711 **Image available**
SYSTEM FOR SUPPORT OF SOUND INSULATION MEASURE FOR DRAIN RISER

PUB. NO.: 2005-292971 [JP 2005292971 A]
PUBLISHED: October 20, 2005 (20051020)
INVENTOR(s): YASUOKA HIROTO
SHIMADA YASUSHI
TSUKAMOTO KOSUKE
NAKATO TATSUHIKO
OSHIMA AKIRA
SUMIYA SATORU
KOBAYASHI KAZUYOSHI
WATANABE KUNIO
KOJIMA SEIZO
KAWAMURA NORIHIKO
APPLICANT(s): SUMITOMO MITSUI CONSTRUCTION CO LTD
KOJIMA SEISAKUSHO KK
APPL. NO.: 2004-103988 [JP 2004103988]
FILED: March 31, 2004 (20040331)

INTL CLASS: G06F-017/50 ; E03C-001/122

ABSTRACT

PROBLEM TO BE SOLVED: To provide a system for support of sound insulation measures for a drain riser in a building such as an apartment house that...

...the noise scores corresponding to the equipment specifications to derive a total noise score; a sound insulation measure selecting means 5b for deriving sound insulation measures of a sound insulation score in a predetermined relation to the total noise score derived by the noise evaluating means by reference to the sound insulation measure storing means; and an outputting means 6.

^ 11/3,K/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO

06711655 **Image available**
SOUND INSULATION STRUCTURAL DESIGN DEVICE

PUB. NO.: 2000-297488 [JP 2000297488 A]
PUBLISHED: October 24, 2000 (20001024)
INVENTOR(s): INATOME KOICHI
APPLICANT(s): OKUMURA CORP
APPL. NO.: 11-109268 [JP 99109268]
FILED: April 16, 1999 (19990416)

INTL CLASS: E04B-001/82; G06F-017/30 ; G10K-011/16

ABSTRACT

PROBLEM TO BE SOLVED: To provide a sound insulation structural design device capable of collectively performing the whole design in regard to the sound insulation of a building in a short time.

SOLUTION: A storage means for storing a plurality of specifications being the candidate of the sound insulation measure of a building structural member is provided. Input means S1-S4 for inputting data in...

11/3,K/3 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO

06282684 **Image available**
NOISE SIMULATION DEVICE AND METHOD

PUB. NO.: 11-224273 [JP 11224273 A]
PUBLISHED: August 17, 1999 (19990817)
INVENTOR(s): NISHIMURA SHINGO
APPLICANT(s): SEKISUI CHEM CO LTD
APPL. NO.: 10-023470 [JP 9823470]
FILED: February 04, 1998 (19980204)

INTL CLASS: G06F-017/50 ; G10K-015/00

ABSTRACT
... input part 22, information relating to the respective section members and information relating to respective rooms are inputted. In a sound shielding performance calculation part 31, sound shielding performance (acoustic transmission loss) of the respective section members is calculated. In a distance attenuation calculation part 32, in a barrier attenuation calculation part 33 and in a sound pressure level calculation part 34, a sound pressure level difference between a sound source and the sound receiving position is calculated from the sound shielding performance of the plural section members present...

11/3,K/4 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01392593 **Image available**
INTEGRATED MULTIMEDIA SIGNAL PROCESSING SYSTEM USING CENTRALIZED PROCESSING OF SIGNALS
SYSTEME DE TRAITEMENT INTEGRE DE SIGNAUX MULTIMEDIA PAR TRAITEMENT CENTRALISE DE SIGNAUX
Patent Applicant/Assignee:
MONDO SYSTEMS INC, 738-37 Yeoksam-Dong, Kangnam-Gu, Seoul 135-924, KR, KR (Residence), KR (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
CHUNG Chul, 3221 East Ruby Hill Drive, Pleasanton, California 94566, US, US (Residence), KR (Nationality), (Designated only for: US)
Legal Representative:
PARK Hae-Chan (agent), H.C. Park & Associates, PLC, 8500 Leesburg Pike, Suite 7500, Mclean, Virginia 22182, US
Patent and Priority Information (Country, Number, Date):
Patent: WO 200673990 A2 20060713 (WO 0673990)
Application: WO 2005US47232 20051229 (PCT/WO US2005047232)
Priority Application: US 2004640085 20041230; US 2005204375 20050816
Designated States:
(All protection types applied unless otherwise stated - for applications 2004+)
AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KM KN KP KR
KZ LC LK LR LS LT LU LV LY MA MD MG MK MN MW MX MZ NA NG NI NO NZ OM PG
PH PL PT RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC
VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT LU LV MC NL
PL PT RO SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 14831

International Patent Class (v8 + Attributes)

IPC + Level Value Position Status Version Action Source Office:
G06F-0017/00 ...
Fulltext Availability:
Claims

Claim
... containing the performance characteristic.

17 The integrated audio processing system of claim 14, wherein the **performance** characteristic is:
a sound reproduction capability across a frequency spectrum;
nominal output power;
recommended amplification power;
input impedance;
speaker **housing** dimensions;
sensitivity;
crossover frequency; or
number of sub-speaker components.

18 A method for controlling...

...signal in each ftequency range of the plurality of frequency ranges based on the acquired **control** request; and
synthesizing the adjusted **audio** signal in each frequency range of the plurality of frequency ranges for further processing to...

...claim 19, wherein pre-set loudness values are based on a human sensitivity to a **sound pressure level** corresponding to each frequency range.

21 The method of claim 20, wherein the reference data...

^ 11/3,K/5 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01382233 **Image available**
COMPUTER-ASSISTED EVALUATION OF BLUEPRINTS USING COMPUTER-STORABLE EVALUATION-CRITERIA
EVALUATION DE BLEUS ASSISTEE PAR ORDINATEUR AU MOYEN DE CRITERES D'EVALUATION STOCKABLES SUR ORDINATEUR
Patent Applicant/Assignee:
ACCELA INC, 4160 Dublin Boulevard, Suite 128, Dublin, CA 94568, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
SIT Ho Wing, 66 Corte Del Caballo, Moraga, CA 94556, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
MAHBOUBIAN Ramin (agent), P.O. Box 70250, Oakland, CA 94612-0250, US
Patent and Priority Information (Country, Number, Date):
Patent: WO 200665595 A2 20060622 (WO 0665595)
Application: WO 2005US44240 20051206 (PCT/WO US2005044240)
Priority Application: US 2004637017 20041217; US 2005215562 20050829
Designated States:
(All protection types applied unless otherwise stated - for applications 2004+)
AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KM KN KP KR KZ LC LK LR LS LT LU LV LY MA MD MG MK MN MW MX MZ NA NG NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT LU LV MC NL PL PT RO SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English

Filing Language: English
Fulltext Word Count: 11176

International Patent Class (v8 + Attributes)
IPC + Level Value Position Status Version Action Source Office:
G06F-0017/50 ...
Fulltext Availability:
Detailed Description

Detailed Description
... that call be provided for these categories of ftinctions.

16
Table 2
Performance based functions.

Sound Transmission . This function can be used to
0 measure the impact of nearby traffic noise and sound passing on certain living space within a building
0 measure of the impact of wall density to sound
0 etc.

Heat transmission . This function can be used to
0 measure heat loss of a building
0 measure of insulation to energy saving
0 etc.

Etc.
Non- Performance based functions.

Distance function that measures distances between objects. This fLu-iction
can be used...

11/3,K/6 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00459165 **Image available**
UNIVERSAL EPISTEMOLOGICAL MACHINE (A.K.A. ANDROID)
MACHINE EPISTEMOLOGIQUE UNIVERSELLE (ANDROIDE A.K.A.)
Patent Applicant/Assignee:
DATIG William E,
Inventor(s):
DATIG William E,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9849629 A1 19981105
Application: WO 98US8527 19980427 (PCT/WO US9808527)
Priority Application: US 97847230 19970501; US 97876378 19970616; US 9833676 19980303
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 265553

Main International Patent Class (v7): G06F-015/18

11/3,K/7 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0012475886 - Drawing available
WPI ACC NO: 2002-422639/200245
XRPX Acc No: N2002-332751
Attachment structure of impedance element for noise reduction for transmission line, has additional impedance element connected to line at position where current is peak and noise frequency level exceeds preset value
Patent Assignee: MURATA MFG CO LTD (MURA)
Inventor: TSUBOUCHI T
Patent Family (3 patents, 2 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
JP 2002101052	A	20020405	JP 2000292554	A	20000926	200245	B
US 20020050871	A1	20020502	US 2001954609	A	20010917	200245	E
US 6566974	B2	20030520	US 2001954609	A	20010917	200336	E

Priority Applications (no., kind, date): JP 2000292554 A 20000926

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
JP 2002101052	A	JA	7	12	

Class Codes
(Additional/Secondary): G06F-017/50 ...

... G06F-003/00

Original Publication Data by Authority

Original Abstracts:
...second noise-reduction impedance elements which are electrically connected to a transmission path. A noise **frequency** that exceeds a predetermined limit when the first noise-reduction impedance element is connected is measured or calculated by **simulation** to find the current peak. The second noise-reduction impedance element is connected at a location corresponding to the current peak. Therefore, this structure provides high noise **suppression** performance.

...

...which are electrically connected to a transmission path. A noise frequency that exceeds a predetermined **limit** when the **first** noise-reduction impedance element is connected is measured or **calculated** by simulation to find the current **peak** . The second noise-reduction impedance element is connected at a location corresponding to the current peak. Therefore, this structure provides high noise suppression performance.